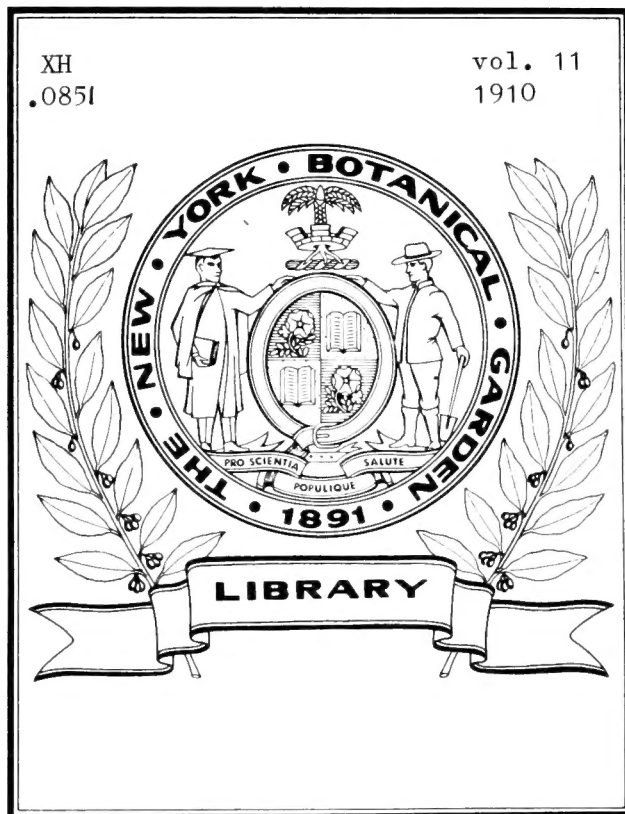


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HORTICULTURE

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New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

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Conquest

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Baron de Bonstetten. Dark crimson shaded.
Baroness Rothschild. Satiny pink; extra.
Captain Christy. Delicate flesh color.
Duke of Edinburgh. Bright vermillion; very fine.
Fisher Holmes. Dark rich scarlet.
FRAU KARL DRUSCHKE. The finest white in existence.
General Jacqueminot. Rich velvety crimson.
General Washington. Beautiful red, shaded carmine.
John Hopper. Beautiful rose-pink.
La France. The finest light pink.
Margaret Dickson. White, pale flesh center.
Magna Charta. Clear rosy pink.
Mme. Gabriel Luizet. Light satiny pink.
Mme. Planter. White.
Mrs. John Laing. Soft pink. Most desirable variety.
Paul Neyron. Beautiful dark pink.
Princess Camille de Rohan. Velvety crimson.
Ulrich Brunner. Cherry-red.

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The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$2.25 for 10, \$20.00 per 100.

Tausendschon (standard grown). Each 50c., doz. \$5.00, 100 \$40.00.

HIAWATHA. The flowers are single and are of a deep, intense crimson shade with the petals shading to a pure white base. Flowers very freely and is undoubtedly one of the best of the single Roses for forcing. Extra strong, two-year, field-grown, \$3.25 for 10, \$30.00 per 100.

WEDDING BELLS. A seedling of the Crimson Rambler. The most floriferous Rose yet produced. The color is white with the upper part of the petals soft-pink. Fine for forcing. Perfectly hardy. Extra strong two-year-old field-grown flowering plants, 3 to 4 feet. \$2.25 for 10, \$15.00 per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, \$2.25 for 10, \$15.00 per 100.

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BABY DOROTHY. The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. \$1.75 for 10, \$16.00 per 100.

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Strong field-grown plants, \$1.75 for 10, \$15.00 per 100.

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ROSES

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In writing to Advertisers kindly mention Horticulture

Plant Novelties from China

In the early part of the nineteenth century European horticulture received an immense impetus by the introduction from Canton (South China) of varieties of Chinese azaleas, camelias, Moutans, chrysanthemums, roses and numerous other treasures including the Chinese primrose, *Dendrobium nobile* and *Wistaria sinensis*. This was followed by the great work of Robt. Fortune, during the middle of the century, in and around Shanghai, Ningpo and Japan. In those early days the gardens and nurseries of the Chinese contained a wealth of new and interesting plants and it was from these sources that most of the new introductions were obtained.

From the middle to the end of the last century Japan offered a more attractive field as a source of new plant treasures and China remained neglected. True, in 1879, the late Chas. Maries, then in the employ of the house of Veitch, ascended the Yangtze river as far as Ichang, staying off at Kiukiang en route. From the latter place he introduced *Loropetalum chinense* and *Hamamelis mollis*—both grand plants. Ichang did not appeal to him as a likely field and after a week's stay he abandoned it, having secured, however, seeds of *Primula obconica* which has since become such a deservedly popular plant. Perhaps the fact of China being such a densely populated country and its geography so little known was responsible for the general impression that its supply of good horticultural plants had been exhausted. In any case the fact remains, China was ignored until the extraordinary collections of dried plants made by Fathers Delavay and David in the far west, and by Augustine Henry in the heart of the country began to be examined. It was then seen that the real flora of China was infinitely richer in horticultural plants than the world had dreamed and that it remained still the one country, *par excellence*, deserving of investigation. One of the earliest to advocate this was Prof. C. S. Sargent of the Arnold Arboretum and this gentleman, more perhaps than anyone else, was responsible for the investigations which began early in 1899 and are still in progress. Recommended by the then Director of Kew Gardens (Sir William T. Thiselton-Dyer) to Messrs. Veitch the writer was fortunate enough to secure the appointment and sailed from England in early April, 1899. Since then he has been engaged in the exploration of the plant-life of central and western China—latterly in the interest of Arnold Arboretum.

A decade has passed since the writer's first packet of seed was despatched from China. The first new plant was exhibited in the spring of 1902 and received a first-class certificate, the highest award of the Royal Horticultural Society of London. Since then over fifty new plants have received either certificate or award and there are still many other to follow. For the purpose of convenience the subjects will be grouped under the headings Herbs, Climbers, Shrubs and Trees.

HERBS

Herbaceous plants do not appear to enjoy the same favor in this country as in England and whilst there may be good reasons for this it cannot be gainsaid that they include a great variety of beautiful plants of perfect hardiness and easy culture which properly arranged are capable of embellishing and beautifying almost any and every situation, be it woodland, waterside, or immediate precincts of the house. In a state of nature the majority of these showy and strong-growing herbs are found growing in the margins of woods and thickets, or sides of streamlets, situations where the roots are kept cool and abundantly supplied with moisture, and in the autumn the crowns are covered with quantities of fallen



ACONITUM WILSONI

leaves, items of much moment in their successful culture. Besides good soil and plenty of water, frequent division and transplanting—if border cultivation is attempted—is necessary to ensure the best results. New introductions from China have supplied many novelties of merit. One of these is *Aconitum Wilsoni*. This new Monkshood is allied to the old *A. napellus* and is a strong growing plant, 6 to 7 feet high, flowering in September. The leaves are leathery, dark green and much divided; the flowers large and very deep blue. After the main spike is past axillary branches continue to bear flowers until the advent of sharp frost. The rootstock is tuberous and the plants require strong soil and to get established ere the best results are obtained. Another equally good but very distinct aconite is *A. Hemsleyanum*. This species is a climber, 8 to 12 feet high, and in a wild state frequents thickets, climbing over shrubs and festooning them with a wealth of large flowers in August and September. These flowers vary considerably in color and though most fancy the deep blue forms best others declare the pale forms equally beautiful. The best is not yet known of this plant; selection and good cultivation will yield something far better than the wildling. The rootstock is tuberous and the twining stems, if made into cuttings in late July, root readily. *Aconitum Wilsoni* is easily raised from seeds but the opposite is true of *A. Hemsleyanum*. Both these aconites would be perfectly hardy around Boston and are well worthy of cultivation.

S. W. Wilson.

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Poisonous rose thorns More than usual complaint has been made this fall of hands poisoned by rose thorns in handling by the clerks in the flower stores of Boston. The trouble is very general, many having fingers almost covered with festering wounds after the Christmas rush. The impression is prevalent that the poison comes from some substance used as a fertilizer or insecticide on the plants and no other plausible explanation of the trouble has thus far been advanced by growers or others. It is

a matter that should be investigated. The assistance of the Agricultural College experts might be enlisted and they, no doubt, would be glad to make an effort to determine the cause. Something should be done promptly as it is not likely that the little local blisters and sores mark the limit of the possible mischief.

A treat in store As a New Year's gift to the gardening and nursery interests of America we present in this issue the first of a series of weekly contributions from the pen of the most noted

plant collector of our times, Mr. E. H. Wilson, a gentleman who has enriched our variety of tree, shrub and hardy herbaceous garden material to an extent unapproached by any other explorer. Mr. Wilson has spent the past ten years in the hitherto unexplored mountains of China, first in the interests of Veitch of London, Eng., and afterwards for the Arnold Arboretum of Boston, Massachusetts. He has written nothing heretofore for any American publication and his contributions will now appear in *HORTICULTURE* exclusively. Anything from the pen of this intrepid traveler must be of engrossing interest to the horticulturist and the value of these papers to our horticultural industries can hardly be computed. The influence of this multitude of hitherto unknown species and varieties upon the garden flora and sylvan scenery of the future will unquestionably be very marked and *HORTICULTURE* feels highly honored in having been selected as the medium through which the first direct information concerning them is to reach the gardening fraternity of America. Mr. Wilson's contributions will fill in the period of the temporary discontinuance of Alfred Rehder's notes from the Arnold Arboretum which have awakened much interest among our readers.

Why don't you try? In extending to our readers cordial wishes for a Happy and Prosperous New Year we take opportunity to remind them that the paramount object for which *HORTICULTURE* exists and labors is the dissemination of useful horticultural information and that they can all assist towards the attainment of this purpose by contributing freely from their own store of practical knowledge in their several departments, telling how to do the best things in the best way, as their experience has taught them. Next to reliability in such contributions, we might suggest to the intending author that the best quality is conciseness and simplicity of expression. There are in the ranks of professional gardeners and skilled florists many who are well qualified to enlighten and entertain their fellows and who ought to do so, but they hesitate to make the attempt because they underestimate their own ability. There is plenty of room at the present time for bright, newsy writers on horticultural topics and corresponding for a trade paper is excellent practice especially if it be done with a desire to excel in the use of those forms of expression which tell the story truthfully, comprehensively, briefly. The habit of using a plethora of words and lengthy dissertations on trifling things may be safe for the writer who combines with it a flow of spontaneous wit or some other rare natural gift. That one cannot successfully imitate such should not, however, deter him from telling his story in his own way without forced embellishment. There are plenty of appreciative readers waiting for the plain, practical experience of the plain, practical man and *HORTICULTURE*'s columns are always wide open for such material.

A Good Dollar's Worth

Volume IX of *HORTICULTURE*, January-June, 1909, comprised 920 pages; volume X, July-December, 952 pages—1872 pages, made up of original, practical information, most of it as useful today or a year from today as when written, timely news of the profession from all parts of the world, and advertisements giving publicity to the latest and most valuable advances made in plant and seed improvement and inventions and appliances for use in every department of horticulture! Is not this a big dollar's worth which *HORTICULTURE* has provided for its subscribers for the year 1909? The list of contributors includes the names of many men who stand in the front rank of their profession not only as writers but as practical men in their special department of work; the editorials are recognized at home and abroad as without a rival in American horticultural literature. Effort and expense to the full limit of our ability have been invested that *HORTICULTURE* might grow to be the foremost exponent of the art from which it takes its name. Our policy for the year to come will be the same, and the production which we shall put out from week to week will excel that of the past in proportion to the support we shall receive from the profession in whose interests *HORTICULTURE* is published. If you who read these lines are not already a subscriber we trust we have said enough to convince you that you cannot spend a dollar for a better purpose than a subscription to *HORTICULTURE* for 1910. If you are a subscriber, we hope you will pass the word along to your friends who are not. Whether you or they are holding positions of high or low degree it will pay you well to read *HORTICULTURE* regularly. And if you do not find in its columns what you are most desirous of knowing send in your request and we shall endeavor to meet the requirements.

Happy New Year

Trans-Atlantic Notes

EDINBURGH SEEDSMEN'S ASSISTANTS' ANNUAL DINNER

This event took place at the Carlton Hotel on Friday, December 2. Mr. W. Newton in the chair. After the loyal toasts the chairman gave the toast of the evening, "The Edinburgh Seed Trade Assistants." In the course of his speech he pointed out that more was required than merely manual work and mental work was needed to make themselves thoroughly efficient, and was of the greatest importance. Other toasts followed, and with a host of musical talent a most enjoyable evening was spent.

TESTIMONIAL TO MR. JAMES GRIEVE OF REDBRAES NURSERY, EDINBURGH

The numerous friends of Mr. J. Grieve on the occasion of the jubilee year of his connection with the Edinburgh nursery trade presented him with a fitting testimonial—a gold watch and a purse of fifty sovereigns in the Royal British Hotel, Mr. Wytock in the chair, Mr. D. W. Thomson being called on to make the presentation speech. Mr. Grieve under much emotion made a

most suitable reply expressing his gratitude to, and his appreciation of his many friends as capping his life long labors.

NANCY

At Tallandier's Nursery, Nancy, the specialty of the proprietor is begonias, which are raised in enormous numbers. Of the variety Lafayette, the well known, best begonia in France for bedding purposes, Tallandier has 1,000,000 plants. His chief customer is the firm of Vilmorin & Cie, in Paris.

The gladiolus, as is well known, forms one of the special branches of M. Lemoine's establishment at Nancy; and preference is given to the Lemoinei and Nanceanus sections, which in the heavy loamy soil of the nursery succeed in a capital manner. It was in 1880 that Lemoine put Gladiolus Lemoinei into commerce. This race was derived from crosses with species, natives of Asia Minor; and the more typical of these hybrids are those having dark colored markings in the throat of the flower; whilst G. Nanceanus, in addition to these markings in the throat, has stripes and blotches. Certain individuals of these two races possess a suggestion of G. Gandavensis and its varieties or mongrels; and are likely to have a brighter future, owing to the flowers being more open. A strikingly beautiful representative of this class is G. America, whose flowers are of an enormously large size, a strong spike, and numerous flowers, and has the property of the old Lemoinei race of producing two to three flower spikes from one corm. Of pleasing tints, mention may be made of flowers having deep velvety black-brown coloring; also of one of pure yellow—one of the earliest to flower of the G. Lemoinei varieties.

Other than the above there scarcely exists any other horticultural establishment of importance; but no one visiting Nancy should omit paying a visit to the town garden, the Par de la Pepiniere which was laid out by the director of Promenades, M. Thirion, and maintained in wonderfully good order. It exhibits numerous artistically planted groups and beds and furnishes an abundance of hints and much stimulation to the landscape gardener.

The market is interesting to the gardener; and as there are but few florists' shops, and these of modest pretensions, almost the whole of the trade in plants and flowers is done on the Place in front of the Market Hall. There is a great choice of products. Foremost are (in late summer) the hydrangeas, oleanders, ferns, selaginellas, palms, cycas, pelargoniums in astonishing variety, likewise fuchsias, carnations, petunias, celosias and Ficus elastica, and, Nancy being so to say the oldest and classical centre for begonia cultivation one may notice entire collections of these plants from those raised by Crouss, long ago, to the most modern novelties. Indeed the choice of plants in pots is extraordinarily large, but they do not all exhibit first-class cultivation. The cut flower market is abundantly supplied with herbaceous perennials.

POLYGONUM MULTIFLORUM

This is an ideal plant for covering arbors, dead trees, etc., the long rampant growths, often attaining the length of from 20-30 feet in one season, producing a highly ornamental effect when allowed to ramble at will over such subjects.

Frederick Moore

London, Eng.

SPECIAL FOR THIS WEEK

January 1st to January 8th,
1910

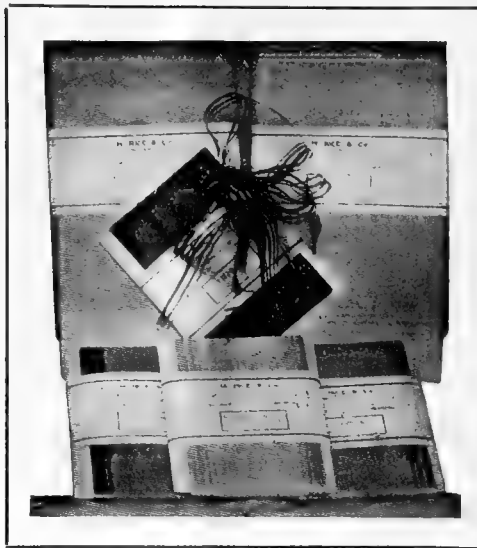
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Economical, effective, dainty. Ties up well, and being all silk with good body, holds its shape. Just the thing for wedding bouquets and design work.

Reduced prices for this week only:—

6 inch 4 cents.
14 inch 8 cents.

COLORS:—White, pink, nile, violet, purple and yellow. (Pieces contain about 35 yds.)



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NEWS OF THE CLUBS AND SOCIETIES

MASSACHUSETTS HORTICULTURAL SOCIETY.

Program of lectures and discussions during the season of 1910, to be held at Horticultural Hall, 300 Massachusetts avenue, Boston, Saturdays, at 11 o'clock, a. m.:

January 1.—Inaugural Meeting. President's Address. Annual Reports.

January 8.—Plant Hunting in the Heart of China. Stereopticon Illustrations. By E. H. Wilson, Arnold Arboretum, Jamaica Plain.

January 15.—The Use of Water in Commercial Gardening. By H. M. Howard, West Newton.

January 22.—A Study of Continental Landscape Gardening. Stereopticon Illustrations. By Albert D. Taylor, M. S. R., Ithaca, N. Y.

January 29.—Apple Growing in New England as a Business. Stereopticon Illustrations. By E. Cyrus Miller, Haydenville.

February 5.—How New Races of Plants Arise Through Hybridization. By Ezra Brainerd, Middlebury, Vt.

February 12.—Some Practical Results of Investigations of Diseases of Trees on Structural Timber. Stereopticon Illustrations. By Dr. Hermann von Schrenk, St. Louis, Mo. (The John Lewis Russell Lecture).

February 19.—The New Agriculture and its Significance to New England. By G. C. Sevey, Editor New England Homestead, Springfield.

February 26.—Exhibition of Plants, Flowers, Fruits and Vegetables.

March 5.—Horticulture as a Profes-

sion for Women. By Miss Laura Blanchard Dawson, Jamaica Plain.

March 12.—Lilies in the Home Garden. Stereopticon Illustrations. By E. S. Miller, Wading River, N. Y.

March 19.—The Dietetic Value of Fruit. By Prof. Wm. R. Lazenby, State University, Columbus, O.

Wm. J. Stewart, Chairman; J. A. Pettigrew, Wm. P. Rich, Miss Mary L. Ware, Prof. F. A. Waugh, Committee on Lectures and Publications.

A NOTABLE EXHIBITION.

The Lecture Hall in Horticultural Building, Boston, is occupied this week and next by a superb collection of photographs of scenes in the heart of China, taken by E. H. Wilson during his explorations in that country for the Arnold Arboretum. There are 720 of these pictures which depict wonderful natural scenery, some being taken at an elevation of from 11,000 to 15,000 feet. Many new as well as old familiar trees and shrubs and herbaceous plants are shown in their natural character and environment, some of them attaining dimensions far beyond any specimens under cultivation. One can spend hours inspecting this remarkable exhibition which represents an expenditure of much time and labor. Mr. Wilson will lecture on his Chinese travels, before the Massachusetts Hor-

ticultural Society on Saturday, January 8, at 11 a. m., and will show a series of stereopticon views of great interest and beauty.

The Commercial Florists' Association of Rochester, N. Y., is rapidly growing, having now a membership of 125. The next meeting, January 10, will be held in the new and commodious club room where facilities are excellent for social as well as business proceedings. Enthusiasm regarding the S. A. F. Convention for next August grows steadily.

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300,000 Gladioli America Bulblets, \$5.00 per 100. Larger Lots Estimated.

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Martial Bremond of Ollioules, France, is the largest grower of strictly first class French bulbs in existence. His clientele is composed of the most critical buyers all over the world. They are men who have bought Bremond products for many years, and know the value of his bulbs. Horse-shoe Brand Products in French bulbs are "Bremonds" and which means that they are the best the market affords, in the various sizes offered.

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MARTIAL BREMOND, Ollioules, France



Not How Cheap
But How Good

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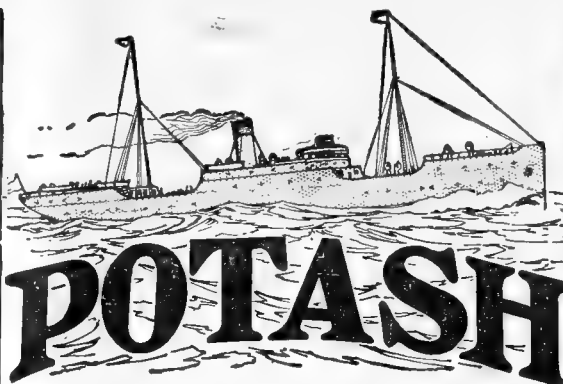
We offer a grand lot of exceptionally well-grown plants of the different varieties of NEPHROLEPIS which will be found one of the best selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

IMPROVED ELEGANTISSIMA. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type. Strong plants, 4 in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen — according to size; 8-in., \$12.00 to \$18.00 per dozen — according to size.

SUPERBISSIMA. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact. Strong plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen — according to size; 8-in., \$12.00 to \$18.00 per dozen — according to size.

BOSTONIENSIS, PIERSONI, WHITMANI, SCOTTII. Extra fine plants, 6-in. pots, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York



Delivery Guaranteed

Direct from the German Mines
to Your Farm



Some fertiliz manufacturers may tell you that they will sell you potash cheaper than we will. We are offering carloads for cash direct from the German mines to the buyer at the lowest price ever quoted. If any one offers it to you for less than our price, before accepting his offer be sure that the manufacturer signs a contract with you absolutely *guaranteeing delivery of potash salts* and not some substitute in the shape of such mixed goods

as he may have on hand at the close of the season.

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POTASH PAYS

For particulars and prices write to

GERMAN KALI WORKS, Continental Building, Baltimore

BEST VARIETIES AZALEAS IN BUD AND BLOOM
 Azalea Indica, in bloom for New Years. Mad. Petrick best early double pink, 75c, \$1.00, \$1.25 to \$1.50. Deutsche Perle, pure double white, and Vervaeana, double variegated rose, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Azaleas, all sorts for Easter, at 50c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$3.00. Please state if wanted in or out of Pots.
GODFREY ASCHMANN
 1012 West Ontario Street, PHILADELPHIA, PA.

ROEHRS, RUTHERFORD N. J.
PALMS, All Sorts and Sizes

HEACOCK'S PALMS

Areca Lutescens	Each
6 in. pot, 3 in pot, 24 to 26 in. high	\$3.75
7 in. pot, 3 in pot, 26 to 28 in. high	1.00
6 in. pot, 1 in pot, 30 to 32 in. high	2.00
Cocos Weddelliana	Per 100
2 1/2 in. pot 8 to 10 in. high	\$10.00
2 1/4 in. pot 10 to 12 in. high	15.00
Kentia Belmoreana	Each
5 in. pot, 6 to 7 lvs, 18 in. high	\$50.00
6 in. pot, 6 to 7 leaves, 22 to 24 in. high	1.00
7 in. pot or tub, 6 to 7 leaves, 4 to 6 in. high	2.50
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00
Made-up Kentia Forsteriana	Each
7 in. pot, 4 in pot, 34 to 36 in. high	\$2.50
7 in. pot, 4 in pot, 36 to 38 in. high	3.00
9 in. tub, 4 in tub, 42 to 48 in. high	5.00

JOSEPH HEACOCK CO., Wyncote, Pa.

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JOHN SCOTT

Rutland Road and E. 45th St.
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Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.
 German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River L. I., N. Y.

IMPORTANT

Flowering, Foliage and Decorative Plants for immediate delivery. Also find list of

Easter Plants

Write for our descriptive catalogue. Sent free.

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316 Nineteenth St., College Point, N.Y.

AZALEAS

Now in Bloom and Bud. Orders taken for Christmas and Easter delivery in the best commercial varieties.

Bay and Box Trees, Euonymus, Eurya latifolia, Araucarias, Aspa agus, Adiantums, Crotons, Areca lutescens, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus, Small Ferns for Dishes in the best sorts, as well as many other Decorative and Foliage Plants at Lowest Wholesale Prices.

A. LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, BOSTON, MASS.

FERNS FOR DISHES

Assorted varieties, 2 in. pots, \$3.50 per 100, \$30 per 1000

PRIMROSES OBCONICA AND CHINESE

Best strains, 2 1/2 in. pots, \$3 per 100, \$25 per 1000, Cash with order.

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911 Quincy St., CHICAGO, ILL.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
 Strong 2 1/2 in. stock, \$25.00 per 100.

WHITMANII

3 1/4 in., \$40.00 per 1000; 8 1/4 in., from Beach, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.



Rhododendrons For Forcing.

To close out quickly we offer special values for an exceptionally fine lot of bushy shapely plants splendidly set with buds of best selling varieties:

	Per dozen.	Per 100
18 to 24 inches high, 10 to 15 buds.....	\$10.00	\$75.00
15 inches high, 6 to 10 buds.....	6.00	50.00

Azalea Mollis.

A splendid lot of bushy, well budded plants, 15 inches high, in fine shape for early forcing, \$4.50 per dozen; \$35.00 per 100.

Pot Grown Lilacs.

Charles X and Marie Legraye, well budded, shapely stock, \$6.00 per dozen; \$50.00 per 100.

HENRY A. DREER

714 Chestnut St., Philadelphia, Pa.

CATALOGUES RECEIVED.

J. F. Noll & Co., Inc., Newark, N. J.—Catalogue of Seeds, Plants, Bulbs, Nursery Stock and Poultry Supplies for 1910. An attractive, well-illustrated catalogue.

New England Nurseries, Inc., Bedford, Mass.—“Standard Fruits for New England Planting.” A handsomely gotten-up and well-chosen list which will be welcomed by the reviving fruit interests of the eastern states as a guide in the selection and planting of the most reliable and desirable orchard and garden fruits.

W. Atlee Burpee & Co., Philadelphia, Pa.—Burpee's New Annual. The Plain Truth About the Best Seeds that Grow, for 1910. This expressive title tells the story as to the contents of the book. It is Mr. Burpee's 34th year and the catalogue bears evidence in plenty that things continue to prosper in his domain. Besides the covers, which are beautifully adorned with pansies and muskmelons respectively, there are several inserts in colors, two of which are vegetable subjects and the others show *Dimorphotheca aurantiaca*, a novelty in flowers which is sure to take high rank among garden annuals, and two new Spencer sweet peas, viz., Marie Corelli and Miriam Beaver. The novelty list is unusually long and varied.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots...\$25.00 per 100 6 in. pots...\$75.00 per 100
5 in. pots...50.00 7 in. pots...100.00

THOMAS ROLAND, NAHANT, MASS.

DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

Catalogue Free

J. L. MOORE, Northboro, Mass.

RHODODENDRONS

HARDY HYBRIDS OUR SPECIALTY

Finest Selection in the World, Adapted to American Climate.

Write for Prices on these and on other Broad Leaved Evergreens, Choice Conifers and Hardy Border Plants.

John Waterer & Son, Ltd., American Nursery, BAGSHOT, ENG.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN
6 and 7 South Market St., Boston.

NEW SEEDLING ROSE “RADIANCE”

A Seedling from Cardinal, a brilliant rosy carmine with rich opaline tints in the open flower; the form is fine, large, with cupped petals; bud long, brilliant, radiant, with extra long stems; a constant bloomer, very fragrant, foliage abundant and of splendid substance.

2½ inch pots \$18 per 100, ready for delivery in March.

Cash from unknown correspondents.

JOHN COOK,

318 N. Charles St., Baltimore, Md.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
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High Grade Cut Blooms**

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Coates House Conservatory
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Both 'Phones 2670 Main.



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D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

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The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

The heavy Christmas DETROIT trade, as presaged by the great business done at Thanksgiving, has been experienced and in fact many were caught short, either in supplies or in means of properly handling the trade. It is a little early yet to be definite in detail, but a general observation indicates that all branches, cut flowers, plants and baskets, were equally patronized. Very noticeable was the increased demand for high grade roses, which a year ago received a cold reception. The Michigan Cut Flower Exchange had a good supply of really very fine Rhea Reid, Richmond, La Detroit and Killarney roses which was greatly appreciated. Prices in general were good, roses bringing from 2.00 to \$8.00, with American Beauty \$6.00 to \$18.00 per dozen. Carnations \$1.50 to \$2.00, fancy and red \$2.00 to \$3.00 per doz. Poinsettia, majority \$6.00, a few \$9.00

STEAMER DEPARTURES

Allan.

Ionian, Boston-Glasgow.....Jan. 7

Cunard.

Campania, N. Y.-Liverpool.....Jan. 5

Umbria, N. Y.-Liverpool.....Jan. 5

Caronia, N. Y.-Mediterranean.....Jan. 8

French.

La Bretagne, N. Y.-Havre....Jan. 6

Hamburg-American.

K'n Aug. Victoria, N.Y.-H'b'g. Jan. 5

Pennsylvania, N. Y.-Hamb'g. Jan. 8

North German Lloyd.

Kaiser Wilhelm II, N.Y.-B'n. Jan. 4

Cheunitz, N. Y.-Bremen.....Jan. 6

Barbarossa, N. Y.-Mediterranean.....Jan. 8

Red Star.

Vaderland, N. Y.-Antwerp....Jan. 5

White Star.

Cedric, N. Y.-Mediterranean....Jan. 5

New York, N. Y.-Shampton....Jan. 8

per doz. Violets sold well at \$4.00, few at \$5.00 per 100. All other flowers from gardenias and orchids down sold well at good prices. Great difficulty was experienced with express companies; they were completely swamped and flowers which should have reached the stores at 9 a. m. did not get there until 5 p. m., causing all kinds of disappointment. The Michigan Cut Flower Exchange had men stationed at the depots to assist in picking out flower shipments from among carloads of other freight.

Individual reports from local prominent florists are very satisfactory.

Breitmeyers: The demand made on us taxed our strength and resources to the utmost. Orders were placed somewhat earlier than usual. Plants and baskets sold very well and high grade roses were a close second. All in all, it was the best Christmas we ever had.

Sullivan: It is safe to say that this was the best Christmas Detroit florists ever had. One may justly call it a plant trade Christmas, although cut flower trade started very briskly Friday afternoon. A good many pickled

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to
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42 West 28 St., NEW YORK

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ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems

FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



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JACOB SCHULZ,
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Established 1874.

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

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Telephone, Main 3681.

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FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston**CHAS. EBLE**
Florist

121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

WELLESLEY COLLEGEDana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

carnations glutted the market which would have brought good prices had they been put on the market three to five days previous.

Schroeter: Plant trade was exceedingly good and started very early; in fact, we were practically sold out of plants by Friday noon. Roses were high in price but people received quality equal to the price.

Brown: Cut flowers sold better than ever and roses, which it was difficult to dispose of a year ago, sold easily this year.

Taepke: Trade started at least two days earlier than usual. Azaleas and cyclamens were the favorites. Everything else sold well except violets.

EASTER.1910, on March 27.
1911, on April 16.
1912, on April 7.**WASHINGTON**

Traffic has been delayed everywhere and even local deliveries have suffered great delay from the heavy snow. Reports from the retailers are to the effect that prices were slightly lower this "yule-tide," than formerly, but from present indications New Year's sales will more than even up the balance. Despite cloudy weather there was enough bloom and to spare for the Christmas season. All cut flowers sold readily, but azaleas led by a long distance in pot plants. Poinsettias moved more slowly than at any previous season, though they formed the chief decoration. With the exception of a few unique baskets there were no novelties displayed. There was an unusual demand for California violets—great bunches of them, set off by one cat-tleya. There is an innovation, which to the florist will be undesirable, viz: small corsage sprays of camellias, so closely resembling the "real thing" that even a practiced eye has to look twice before the imitation can be detected. These have a run in Washington at present, but let us hope that like all fakes they will be short-lived.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Malden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMuklin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New Orleans, La.—Chas. Eble, 121 Baronne St.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.,

Wellesley, Mass.—Tailby.

OBITUARY.

Robert Graham.

Robert Graham, engaged for many years in the florist business in Harrisburg, Pa., died on December 14, after a lingering illness, aged 64 years.

THE BEST LETTERSFOR
FLORISTS'
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

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Inscriptions, Emblems, etc., Always in Stock

Galax and LeucothoeQuality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.**ROSENS**

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.1,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers**ROBERT J. DYSART**
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, BOSTON
Telephone, Main 58.**INCORPORATED.**

Norfolk, Va.—Newton Floral Corporation; capital, \$15,000.

Helena, Mont.—Billings Nursery, by D. J. Tighe and others; capital, \$10,000.

Chicago, Ill.—American Horticultural Company; John C. Abbott, W. H. O'Brien, J. W. Butler. Capital, \$5,000.

Dallas, Tex.—Southland Seed Company. Incorporators, W. D. Garlington, C. H. Tinker, H. H. Holloway; capital, \$20,000.

Richland, Wash.—Richland Nursery Company. Incorporators, C. F. Breithaupt, J. H. James, J. C. Breithaupt and W. J. Breithaupt; capital stock, \$25,000.

George H. Bartlett, florist, Franklin, N. H., has sent us a very fine specimen of calla with a double spathe one inside the other which blossomed in his greenhouses.

MICHELL'S NEW CROP FLOWER SEEDS MICHELL'S

AGERATUM		Tr. Pkt.	Oz.
Blue Perfection		\$0.15	\$0.40
ALYSSUM			
Little Gem		.10	.30
Sweet		.10	.15
CALENDULA			
Grandiflora		.10	.15
Prince of Orange		.10	.15
CENTAUREA			
Candidissima		.25	.75
Gymnocarpa		.15	.40
COBAEA			
Scandens, Purple		.10	.35

IMPATIENS		Tr. Pkt.	Oz.
Holstii		\$0.50	
Sultani		.30	
MOON FLAMER			
Ipomaea Noctiflora	per 1/4 lb.	\$1.50	.15 \$0.50
MAURANDYA			
Barclayana Purple		.20	1.25
Mixed		.20	1.25
PYRETHRUM			
Auremis		.10	.25
SMILAX			
Per 1/4 lb.		\$1.00	.10 .30

ASPARACUS		
PLUMOSUS NANUS		
New Crop. Greenhouse Grown		
100 Seeds		\$0.50
500 "		2.00
1000 "		3.50
5000 "		16.00
10000 "		30.00
ASPARAGUS SPRENGERI		
100 Seeds		.15
1000 "		.75
5000 "		3.00

HENRY F. MICHELL CO., Philadelphia

Seed Trade

The Westerwold Ryegrass.

In reply to inquiry as to the qualities of this, it may be stated that it is the annual variety of the Italian Ryegrass. It is a quick grower, giving three or four cwt. (cwt. equals 112 lbs.) the same season it is sown, and must be cut at once when it has reached its full development, else it will turn yellow and hard at once. It is good for one purpose only: in case a clover or alfalfa field has gone off too much, this *Lolium* sown early in March will fill the gaps with plants quickly and fully, and when the remainder of clover or alfalfa is being cut the ryegrass will increase the bulk and make the yield a satisfactory one as to bulk of hay better than any other method. But the plants will die off the same year, no trace being left for a second season, which of course is a drawback. So far this variety has not found much favor with the European seed trade generally, although it is being used in fair quantity in its home locality in the Westerwold district, which is north of Arnhem a few hours by rail. The Arnhem exporters, Barenbrug, Burgers & Co., can doubtless supply the item and give full particulars to anyone interested in this country. The ordinary Italian ryegrass is now being largely used in America in combination with the summer sowing of *Trifolium incarnatum* (crimson clover).

Why Irish Cynosurus Is Cheaper.

The south of Ireland several years ago used to be one of the principal centers for the grass popularly known as crested dogstail (*Cynosurus cristatus*), but is not so now. The reason for this falling off in popularity for Irish seed is the gradual demand in the United States, as elsewhere, for high quality—irrespective of price—for the valuable natural grasses best suited for lawns and permanent pastures of various kinds. *Cynosurus* is still being collected in the south of Ireland, but discriminating buyers object to the large amount of shelled *Holcus lanatus* which the Irish seed contains. It is almost impossible to separate shelled *Holcus* from *Cynosurus*, and as only the more expert can detect its presence it is left in the sample on the chance of disposal to those not wide-awake. Of course ev-

erybody knows that *Holcus lanatus* is quite out of the question for lawns—too broad in the leaf and too pale in color—also rank and persistent in growth and almost certain to crowd out the valuable *Cynosurus* and other desirable varieties. It should never be allowed in lawn mixtures under any circumstances. Many a good order has been lost to the Holland growers on account of the lower price of the Irish *Cynosurus* seed. And a big mistake at that—even if the sample did look all right. Even now, the facts in the matter are not as widely known in the American seed trade as they ought to be, hence this note of warning and explanation. *Cynosurus* is wanted in every mixture for lawns, but it must be absolutely free from *Holcus*.

A Grass Question.

Why should any U. S. seedsman import *Triticum repens*? The writer is credibly informed that this seed is being imported. Any seedsman who is doing so will please reply to this query, giving reasons, and can use a nom-de-plume; his real name being held in strict confidence in this office. It may be that this heretofore execrated grass may have good qualities important to the world to know. If so, it is important and obligatory on the part of the seedsmen referred to, to square themselves with the public. They are of good standing all of them, and not confined to one city. This note is written by one who has stood up through thick and thin for the past 25 years for the honor of the seed trade of America. Trefoil in alfalfa, Canadian in Kentucky Blue, are venial offences in comparison. Dodder is bad enough and is rightfully tabooed by most progressive governments. But *Triticum repens*, unless

its advocates and importers can come up and show us that we are wrong, is equally pestiferous and in the same class with dodder. The plough, the grub, the hoe, the harrow, and many a sore back—have we officiated at in *Triticum repens*—and the bonfires that followed are the brightest beacons of memory that remain of the old life on the farm as far as *Triticum repens* is concerned.

American Seed Trade Association.

The annual meeting of the executive committee of the American Seed Trade Association was held at Young's Hotel, Boston, December 28th, with the following members of the committee in attendance: President J. C. Robinson, secretary C. E. Kendel, S. F. Willard, W. S. Woodruff, Alex. Forbes, C. N. Page and George S. Green; C. D. Boyles, Kirby White, M. H. Duryea and Albert McCullough, members of the committee on seed legislation; and, on invitation, C. H. Breck, W. H. Grenell, John Fottler, Jr., and Curtis Nye Smith, Esq., who were present to confer with the Association of Official Seed Analysts, which was holding sessions in connection with the meeting of the American Association for the Advancement of Science.

The St. Charles Hotel was selected as headquarters for the seed trade convention to be held at Atlantic City, June 21, 22 and 23, 1910.

CATALOGUES RECEIVED.

Iowa Seed Co., Des Moines, Ia.—General Catalogue for 1910. Covers bear bright colored roses, garden plants, annual flowers and improved tomatoes. Chrysanthemums and zonal geraniums form the subject of a colored insert.

Barteldes Seed Co., Denver, Colo.—

NEW SEED PHOENIX ROEBELENI

THE ONLY SEED TO BE OFFERED

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Representative

Catalogue of Western Seeds, 1910—Vegetables, flowers and implements. The front cover shows a view of what a Denver vegetable plantation might attain to, with the peaks of the Rocky Mountains for a background. Portraits of 1910 vegetables in colors adorn the back cover.

Watkins & Simpson, Covent Garden, London, Eng.—Foreign and Colonial Wholesale Catalogue of Garden and Flower Seeds; Season of 1910. As usual a well-printed and well-illustrated volume, the numerous half-tone illustrations being of an excellence not often found in wholesale lists. 110 pages, of which 22 are devoted to descriptions and photo-electros of the various novelties of the season.

W. Atlee Burpee & Co., Philadelphia.—Advance Wholesale Prices, for the Trade Only. Here are offered just what the trade looks for each year in the Burpee lists—the best results of the most intelligent effort during past seasons to advance the quality of garden and farm vegetables and sweet peas. "Burpee—Improved" Bush Lima and Fordhook Bush Lima are illustrated, as are also the King Edward Spencer, Apple Blossom Spencer, Othello Spencer, Aurora Spencer, Marie Corelli Spencer, Miriam Beaver Spencer and Senator Spencer Sweet Peas. A description of the new Burpee venture at Lompoc, Cal., taken from the columns of HORTICULTURE has the place of honor on the back cover page.

3-Year Valley

1000—\$11.00. Case of 2500—\$26.00

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SEEDS THAT GROW

Best quality Vegetable, Flower and Farm Seeds, Alfalfa, Clover, Seed Potatoes, etc. We will send free with catalog a packet of our New Coreless Tomato, the best of all tomatoes. Do not fail to try our Roundtail Collection of Vegetable Seeds, the best 5 varieties on earth, postpaid for 40c. We also carry full line of Nursery stock.
German Nurseries, Box 236, Beatrice, Neb.

CABBAGE Wakefield and Succession, \$1.00 per 1000, \$8.50 per 10,000.
PARSLEY 25 cts. per 100.
LETTUCE \$1.25 per 1000.
Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
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Fiske's Branching in all colors. Tr. pkt. 4cc. oz \$4.00.
Pure White, Tr. pkt. 5 c. oz. \$5.00.
Also Beauty of Nice strains.

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NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

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are ahead in Growth and Flowers. Bloodred, Carmine, Daybreak, Lilac, Pink, Pure White, White carmine eyed, each separate Tr. Pkt. \$1.00, 1000 Seeds \$6.00.
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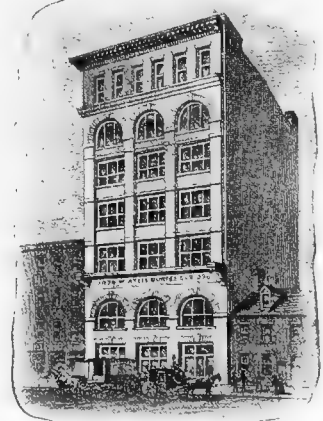
Friends, Our Customers:

Our customers are our friends and the introduction to The Farm Annual has been rightly so addressed for many. We have a personal interest in doing all that is possible to insure your success in gardening, and are sure you are pleased also to know of our continued growth. Hence, you may be interested in the articles on pages 4, 12, and 34, from all four American Trade Journals.

BURPEE BUSINESS has shown a steady — and almost uninterrupted — growth beginning, in 1876, in the little building pictured below. Compare this with the Burpee Building and also our latest purchase, illustrated on third page cover. The loss for an entire year "in the seventies" was less than what we do now in a week. OLD CUSTOMERS, — many of twenty to thirty years' standing, — need no word of fidelity on our part. Our reputation for SEEDS OF QUALITY has been the constant aim to maintain the truth of our famous motto: —

Burpee's Seeds Grow and are the Best Seeds that can be Grown

Our Catalog for 1910 (of which the first edition is more than four hundred thousand) reaches some readers, however, who never before have had an opportunity to try SEEDS. To such we would say that all we ask is a fair comparative trial, — no small your first order may be. All stocks are thoroughly tested and we sell only what is to be good — the best it is possible to produce.



Fifth Street Frantage of
THE BURPEE BUILDING
Erected in 1898
Our Philadelphia Headquarters

Burpee's Seeds are Grown by Burpee! As a rule, this is absolutely true! Those varieties of seeds that cannot be produced to the highest standard of excellence upon our own farms are raised under private contract, subject to our personal inspection during growth in such sections of America and Europe as long experience has shown to be best adapted to their proper development. We buy no seeds upon the open market — and yet this rule occasionally has a necessary exception. The exception this season is in the case of Garden Peas, for the reason explained at bottom of page 80.

With hearty thanks for your many courtesies during past years, and trusting that same friendly spirit may continue, we remain,

Sincerely and gratefully yours,

Seed Gardens and Trial Grounds at our famous FORDHOOK FARMS, Bucks County, Pa. SUNNYBROOK FARM in New Jersey, and The New BURPEE RANCH in California.

It is repeated verbatim, the introduction to our retail catalog — BURPEE'S FARM ANNUAL FOR 1910. If you do not receive a leading American Seed Catalog" by January 10, please write for it. At the same time, if you appreciate quality in seeds and are willing to pay for the best seeds it is possible to produce, we shall be pleased to send you also (provided you are a market gardener or florist) a copy of our BLUE LIST FOR 1910 — the most complete wholesale catalog for those who plant for profit.

Our prices may be higher than those of some other houses, yet the quality of the seeds in every case warrants the prices charged. We excel in quality rather than to compete in price. Shall we send you one or both catalogs?

W. L. BURPEE & CO., PHILADELPHIA, PA.

We Wish to Report an Increased Supply and Stock of Good Quality in

DAISIES

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CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

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ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

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WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Dec. 28	TWIN CITIES Dec. 27	PHILA. Dec. 28	BOSTON Dec. 30
ROSES				
Am. Beauty, Fancy and Special...	40.00 to 50.00	30.00 to 40.00	60.00 to 70.00	50.00 to 75.00
" Extra	30.00 to 40.00	20.00 to 30.00	40.00 to 50.00	30.00 to 40.00
" No. 1	20.00 to 30.00	15.00 to 20.00	20.00 to 30.00	15.00 to 20.00
" Lower grades	5.00 to 10.00	10.00 to 15.00	8.00 to 15.00	5.00 to 10.00
Bride, 'Maid, Chateaux, F. & S.	10.00 to 12.00	6.00 to 8.00	10.00 to 12.00	8.00 to 12.00
" Lower grades	6.00 to 8.00	4.00 to 6.00	4.00 to 8.00	4.00 to 6.00
Killarney, Fan, & Sp.	10.00 to 12.00	6.00 to 10.00	15.00 to 25.00	15.00 to 25.00
" Lower grades	6.00 to 8.00	4.00 to 6.00	4.00 to 8.00	6.00 to 12.00
Richmond, Fancy & Special	10.00 to 12.00	8.00 to 15.00	20.00 to 25.00	10.00 to 25.00
" Lower grades	6.00 to 8.00	6.00 to 10.00	5.00 to 10.00	6.00 to 12.00
My Maryland	10.00 to 15.00	6.00 to 10.00	6.00 to 25.00	6.00 to 25.00
CARNATIONS, Nov. and Fan.				
" Ordinary	3.00 to 5.00 2.00 to 3.00	3.00 to 4.00 2.50 to 3.00	..... to 6.00 2.00 to 4.00	3.00 to 4.00 2.00 to 3.00
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	40.00 to 60.00	..... to 75.00	..... to 50.00
Lilies	12.00 to 15.00	12.50 to 15.00	..... to 20.00	11.00 to 16.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	3.00 to 4.00
Violets .....	.75 to 1.50	1.00 to 1.50	.75 to 1.50	75 to 1.00
Mignonette	5.00 to 6.00	3.00 to 4.00	5.00 to 6.00	2.00 to 4.00
Sweet Peas	1.00 to 2.00	..... to .....	.75 to 2.00	1.00 to 1.50
Roman Hy. Paper Whites	2.50 to 3.00	3.00 to 4.00	2.00 to 3.00	1.00 to 2.00
Stevia	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	.75 to 1.00
Gardenias	25.00 to 30.00	30.00 to 40.00	30.00 to 50.00	30.00 to 40.00
Adiantum .....	..... to 1.00	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	35.00 to 50.00	35.00 to 50.00 to 50.00
" " & Spreng. (100 bchs.)	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00 to 10.00

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In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000
Bronze and Green Galax, \$1.00 per 1000; \$3.50 per 1000. Leucoboe sprays, \$1.00 per 100;
\$7.50 per 1000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest
quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in
pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.

LONG DISTANCE PHONES, 2617-2618 MAIN.

Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.

The Christmas carols of the Boston florists, growers, wholesalers and retailers, were marred by no perplexities of supply, demand or weather. The blizzard which swooped down on our western friends in the midst of their activity, considerably kept its hands off the land of the sacred cod fish until after the Christmas Day sun had set. The day was beautiful with no intimation of the orgie of wind and snow that was on the way. So, also, the previous days had been exceptionally favorable for everybody—those who grew, those who sold and those who bought plants or flowers and we have every reason to believe the claim made by all interested that the business done in plants, flowers and green decorative material was far in excess of all previous records. Unlike the experience in some other markets, the market value of flowers generally was well maintained along the average of prices quoted in advance. The only exception of any consequence was in the case of carnations which could be bought at the markets on Friday and Saturday at figures much lower than those quoted earlier in the week, and this, in a considerable degree, was due to the course pursued by some of the carnation growers in holding back their product to an unreasonable extent—not in cellars, but on the plants, long after they should have been cut and marketed. In roses, the best sellers were Beauty, Richmond and Killarney, also Bridesmaid to some extent; in carnations, Enchantress and the scarlet varieties, which realized 25 to 50 per cent. better value than the rest; in violets, the single varieties which brought 50 per cent better prices than the doubles. There was an excellent call for lily of the valley, orchids, lilies and callas at normal prices, also sweet peas, English wall-flowers and yellow daisies; gardenias and bulbous stock moved slowly. Among the latter were a few yellow daffodils which sold readily. Poinsettias were hard to move at customary prices, owing undoubtedly to the aggressions of the cloth imitations so industriously pushed by some of the second-rate stores. All Christmas greens scored a big sale. As to plants—the story is told in the fact that all the plant growers were cleaned out well in advance of the holiday, and that the retail store shelves and windows were practically bare when all was over. Azaleas, especially of the Firefly type, pan poinsettias, cyclamens and begonias had the right of way, but everything presentable found a ready buyer.

Another holiday week **BUFFALO** has passed and the trade is resting up for a few days and then prepare for the final. Nothing but the best reports are heard from the dealers and the Christmas business exceeded last year's. There was a good supply of flowering plants and others, and as the prices on cut stock were held so high the plant trade was excellent. There was a shortage in cut stock two or three days previous to Christmas and orders were turned down on several lines which could have been easily filled on Friday as on this day there was an abundance of everything. Beauties were in good



Out of the Ordinary Ribbons

To do the usual the ordinary way is not the P/M way or aim. To improve the old, discover the new and make our ribbons a little better always, is the quest worth while.

Every florist using P/M ribbons feels that he has the latest and choicest to be had and that his work has that exclusiveness and individuality about it not obtainable in using inferior makes.

A Few of our Leaders:—

Pattern Killarney FOR THE KILLARNEY ROSE		
Width	No.	Price
"	7	\$0.65
"	16	" 1.15
"	22	" 1.35
"	40	" 1.65
"	60	" 2.25
"	100	" 2.65
"	150	" 2.90
"	200	" 4.00

For American Beauty and Richmond

PATTERN "1614"

This pattern is one of our leaders; it is a beautiful heavy, lustrous taffeta, and is made in special shades for the American Beauty and Richmond Roses.

Other shades in the same Pattern are:—
Follage Green, Nile, Violet shaded with Green, Green shaded with Purple, Pink shaded with White, Cattleya, and Green shaded combination for Croton foliage etc.

No. 80. Price \$3.00.

Pattern My Maryland FOR THE MY MARYLAND ROSE		
Width	No.	Price
"	7	\$0.65
"	16	" 1.15
"	22	" 1.35
"	40	" 1.65
"	60	" 2.25
"	100	" 2.65

Diamond Weave Lustrous Cattleya Ribbon

Made especially for the Cattleya. Remarkable for its brilliant lustre and peculiar diamond weave.

Width	Price	Width	Price
No. 60	\$2.00	No. 200	\$2.75

Faillentine Chameleon

PATTERN "SUPREME"

The latest novelty for corsage bouquets, remarkable for its chameleon like shadings, producing a very rich and beautiful effect.

We offer the following colors:—

	Width	Price
1. Violet shaded with green	No. 7	.65
2. Green shaded with violet		
3. Light cattleya shaded	No. 8	.85
4. Dark cattleya shaded		

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

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WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Dec. 21		Dec. 27		Dec. 28		Dec. 28	
ROSES								
Am. Beauty, Fan, and Sp.....	90.00	to 100.00	25.00	to 35.00	60.00	to 75.00	70.00	to 80.00
" Extra	50.00	to 75.00	15.00	to 20.00	30.00	to 40.00	50.00	to 60.00
" No. 1.....	30.00	to 40.00	8.00	to 12.00	20.00	to 25.00	25.00	to 35.00
" Lower grades.....	.....	to	4.00	to 8.00	8.00	to 15.00	8.00	to 15.00
Bride, "Maid, Chateauf, F. & S.....	12.00	to 15.00	8.00	to 12.00	15.00	to 25.00	10.00	to 12.00
" Low. gr.....	6.00	to 10.00	4.00	to 8.00	4.00	to 10.00	6.00	to 8.00
Killarney, Fan. & Sp.....	12.00	to 15.00	8.00	to 12.00	15.00	to 25.00	15.00	to 20.00
" Lower grades.....	6.00	to 10.00	4.00	to 8.00	5.00	to 10.00	8.00	to 12.00
Richmond, Fancy & Special.....	12.00	to 15.00	8.00	to 15.00	20.00	to 25.00	14.00	to 25.00
" Lower grades.....	6.00	to 10.00	4.00	to 8.00	5.00	to 10.00	8.00	to 12.00
My Maryland.....	.....	to	6.00	to 12.00	6.00	to 20.00	8.00	to 20.00
CARNATIONS, Novelties and Fancy								
" Ordinary	8.00	to 10.00	3.00	to 4.00	5.00	to 6.00	4.00	to 6.00
	6.00	to	1.50	to 3.00	2.00	to 4.00	2.00	to 3.00
MISCELLANEOUS								
Cattleyas.....	.....	to	75.00	to 100.00	75.00	to 100.00	.....	to 75.00
Lilies.....	12.00	to 20.00	.....	to 15.00	15.00	to 20.00	.....	to 15.00
Lily of the Valley.....	3.00	to 4.00	4.00	to 5.00	4.00	to 5.00	2.00	to 4.00
Violets.....	1.50	to 2.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Mignonette.....	.....	to	10.00	to 15.00	3.00	to 5.00	5.00	to 10.00
Sweet Peas.....	2.00	to	1.00	to 1.50	.75	to 1.25	.75	to 1.50
Roman Hy. Paper Whites.....	1.00	to 4.00	3.00	to 4.00	2.00	to 3.50	2.00	to 4.00
Stevia.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25	1.00	to 1.50
Gardenias.....	.....	to .....	.....	to	50.00	to 75.00	.....	to
Adiantum.....	1.00	to	1.00	to 1.50	1.00	to 1.50	.....	to 1.50
Smilax.....	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (10c).....	.....	to 50.00	24.00	to 35.00	50.00	to 60.00	14.00	to 5.00
" " & Spreng. (100 bchs.).....	.....	to 35.00	25.00	to 35.00	25.00	to 50.00	35.00	to 5.00

supply, but the high prices kept them from selling; the same may be said of long stemmed stock in Richmond, White and Pink Killarney. The de-

mand was for No. 1 and extras. The demand for violets was good and they sold out well, also lily of the valley,

(Reports continued on page 11)

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ROSES AND CARNATIONS	Last Half of Week ending Dec. 25 1909		First Half of Week beginning Dec. 27 1909	
American Beauty, Fancy and Special.....	75.00	to 125.00	30.00	to 50.00
" " Extra.....	40.00	to 60.00	20.00	to 25.00
" " No. 1.....	20.00	to 30.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 8.00	1.00	to 5.00
Bride, "Field, Golden Gate, Fancy and Special.....	10.00	to 20.00	8.00	to 13.00
" " Lower Grades.....	3.00	to 6.00	2.00	to 5.00
Killarney, Fancy and Special.....	10.00	to 30.00	8.00	to 15.00
" " Lower Grades.....	3.00	to 8.00	3.00	to 5.00
Richmond, Fancy and Special.....	1.00	to 30.00	8.00	to 20.00
" " Lower Grades.....	3.00	to 8.00	2.00	to 5.00
Fly Maryland.....	3.00	to 30.00	2.00	to 15.00
Carnations, Fancy and Novelties.....	5.00	to 8.00	4.00	to 6.00
" " Ordinary.....	3.00	to 5.00	1.50	to 3.00

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Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports.

(Continued from page 19)

Roman hyacinths, peas, daisies, narcissi and other material. Some excellent carnations were had and a good portion were red, which brought the best prices; white and light sold well and not as many were had as in previous years. All green material was in heavy demand and cleaned up better than in years previous. The shipping was good and the weather being mild, very little trouble was had with frozen stock, but as the express business was so heavy many shipments were either carried by their destination or lost, inconveniencing many out-of-town florists.

Flower prices for the three days preceding Christmas are reported by the trade as more satisfactory to the retailers who had not engaged stock than to the wholesalers. On Monday the idea prevailed that stock would be scarce on account of the snow and extreme cold of the past week. Prices were accordingly high and many placed orders for stock bought fifty per cent. cheaper when they were ready to use it. Some of the largest growers were calling up their customers and trying to get rid of their stock that they had held on to so tenaciously a few days before. This was particularly true as to carnations, though everything in roses was, more or less, suffering the same fate. It was a case of more stock than any one expected would be cut and prices had to give way accordingly. American Beauties held the steadiest and the orchids, gardenias, violets and other eastern stock showed no change in prices. The shippers had their troubles, much stock reaching here worthless. Owing to the unusual number of packages to handle, and hampered by the snow which fell steadily for twenty-four hours, the express companies could not handle the consignments of flowers fast enough

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 25 1909	First Half of Week beginning Dec 27 1909
Cattleyas.....	50.00 to 75.00	40.00 to 60.00
Lilies.....	12.00 to 15.00	8.00 to 15.00
Lily of the Valley.....	1.00 to 4.00	1.00 to 3.00
Narcis. Paper White.....	1.00 to 2.00	1.00 to 2.00
Violets.....	.75 to 1.50	.75 to 1.25
Sweet Peas (per 100 bchs).....	8.00 to 12.00	6.00 to 12.00
Gardenias.....	10.00 to 60.00	10.00 to 30.00
Adiantum.....	.50 to 1.00	.50 to 1.25
Smilax.....	10.00 to 12.00	8.00 to 12.00
Asparagus Plumosus, strings.....	20.00 to 25.00	20.00 to 25.00
" " & Sprea. (100 bchs).....	20.00 to 25.00	15.00 to 30.00

and many shipments were frozen. Inspection showed the packages in many cases to be properly wrapped and the loss due entirely to long exposure. Those who shipped out flowers had more or less of the same difficulty and the express people will have many losses to adjust. Notwithstanding the immense trade of Friday, Saturday and Sunday, Monday, the 27th, found the florists busy. If the cold weather is the cause, let us all be thankful that winter is here.

The retail trade as a rule, report a satisfactory Christmas business. As a general thing sales of plants and flowers were but slightly in advance of last year and those who report otherwise (from 50 to 100 per cent increase) are probably suffering yet from the elation consequent upon their narrow escape from the blizzard and a deep sense of gratitude to the weather man for the great favor he conferred in holding off the furies until the florist had his Christmas work all nicely completed. "Things are coming our way," it would seem. From the viewpoint of the plant grower, everything was also very satisfactory, but from that of the flower grower and wholesale dealer, not so much so. With few exceptions the net returns from their fluctuating product were not up to expectations. A very large quantity of stock was handled and

sold, but there was only one item that did sell out clean and that was violets, the supply of which was not equal to that of last year. With some growers Beauty was in moderate supply and many were sold at top figures. A considerable number, however, were left over and were finally disposed of at nominal prices—very nominal. Only the choicest stock commanded a price and buyers did not need to overlook quality. A bountiful supply of Killarneys, Marylands and Richmonds pressed for sale—the Killarney and Maryland particularly. Thousands of high-grade, long-stemmed roses were shipped to this market from Pennsylvania and the East and they had a potent influence in depressing prices generally. The home supply was not too heavy to move at good prices, were it not for foreign importations. Richmond sold well, but at figures below a year ago. Brides and Bridesmaids were too numerous to clean up entirely, but did as well as could be expected, considering the competition with the long-stemmed white and pink Killarney and Maryland. Carnations brought a better proportionate price than roses, though in general values ruled lower than usual and much stock was unsold—the supply being heavier than estimates indicated. Scarlet sold best of all and there were plenty of them, Enchantress and Law-

(Continued on page 20)

Buyer's Directory and Ready Reference Guide

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengerii out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

Asparagus plumosus. 2½-in., \$2.50 per 100; Sprengerii seedlings 1c., \$9.00 per 1000; Sprengerii, 2½-in., 2½c.; 3-in., 5c.; 4-in., 10c. cash. W. E. Trimble Greenhouse Co., Princeton, Ill.

AZALEAS

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Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.
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BAY TREES.

Bobbink & Atkins, Rutherford, N. J.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

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J. C. Schmidt, Bristol, Pa.
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Edward Wallis, Atco, N. J.
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BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Dutch and French Bulbs.

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Bermuda Lilies

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Lily Bulbs, Horseshoe Brand.

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E. S. Miller, Wading River, N. Y.

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CANNAS

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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New Carnation Constant.

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Carnations Alma Ward and Mrs. C. W. Ward.

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Skidelsky & Irwin Co., Philadelphia, Pa.
Rooted Cuttings.

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CARNATIONS—Continued

Joseph Heacock Co., Wyncote, Pa.
New Carnation Dorothy Gordon.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.

Elmer D. Smith & Co., Adrian, Mich.
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CHRYSANTHEMUM STOCK PLANTS.
Mrs. Kalb, Estelle, White Bonnaillon, Alice Byron, Angele Laurent, Desjouis, Glory of Pacific, Maud Dean, Pink Ivory, Rosette, Amorita, Major Bonnaillon Crema, Halliday, Yellow Jones, Golden Glow, Baby, 50 cents per doz.; \$4.00 per 100. Golden Eagle and Baby Margaret, \$1.50 per dozen; \$10.00 per 100. William Swayne, P. O. Box 215, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CONIFERS

John Waterer & Sons, Ltd., American Nursery, Ragshot, Eng.

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Eastern Nurseries, Jamaica Plain, Mass.

COSMOS—Early Flowering

Headquarters seed, New England grown. The trade supplied, each variety separate. 10c. a package. H. N. Smith, South Sudbury, Mass.

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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more received during October we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Atco, N. J.

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J. L. Moore, Northboro, Mass.

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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

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Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Reed & Keller, 122 W. 25th St., New York.
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Rosens, 48 West 29th St., New York City.
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Mapes Rustic Works, Clayton, N. J.
Rustic Vines, Branches, Bark, Etc.

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Peters & Reed Pottery Co., Zanesville, O.
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FLOWER POT COVER

Ever Ready Flower Pot Cover Co.,
Buffalo, N. Y.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
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GALAX

Michigan Cut Flower Co., 88 and 40 Broad-
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Md.
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Geraniums, S. A. Nutt, Beauty Poltevine,
Madame Barney, Buchner, from field, 5c.
each; rooted cuttings, \$9.00 per 1000; un-
rooted, \$5.00 per 1000. Carl Dornbrer,
6417 Carnegie Ave., Cleveland, O.

Geraniums Ricard, S. A. Nutt, Buchner,
from 2 and 2½ in. pots, extra fine lot of
strong, cool-grown plants; \$2.25 per 100;
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Geraniums, strong 2 in. stock, Nutt,
Heteranthe, Jean Vland, La Favorite,
L'Aube, Hill, \$2.00 per 100; \$18.00 per 1000;
our selection, \$17.00 per 1000. Pamela,
\$4.00 per 100. Anastasi Lecadre, \$3.00
per 100. Red Wing, \$2.50 per doz. Write
for Geranium Catalogue. F. H. De Witt,
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Surplus stock of choice named gladioli.
Also bulbs and bulblets from my private
collection at bargain prices. L. Merton
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GLADIOLI—Best sorts, extra mixtures,
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Parshelsky Bros., Inc., 59 Montrose Ave.,
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Metropolitan Material Co., 1392-1402 Metro-
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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
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Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham.
Special Glazing Nails (Points). Lord &
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Price list now ready. Extra large and
fine crop of fish this season. No fungus;
no lice. Our little book, "The Gold Fish
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fish, prevent and cure diseases; free to cus-
tomers. Glen Mary Fish Farm, Chas. Pom-
mert, Prop., Amelia, O. Largest gold fish
batchery in the world.

Gold Fish, Aquarium Plants; largest va-
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Franklin Barrett, 4815 D St., Phila., Pa.

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Pecky Cypress for Benches.
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F. Jacobs & Sons, 1859-68 Flushing Ave.,
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham,
1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
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D. Hiffe, 72 Pearl St., Boston, Mass.
Iron Frame Greenhouses; Heating Repairs.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shaped Gutter with drip gut-
ter attachment. Lord & Burnham, 1133
Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.
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Michigan Cut Flower Exchange,
88 and 40 Broadway, Detroit, Mich.
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The Kervan Co., 113 W. 28th St., New
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Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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Pittsburg Cut Flower Co., Ltd.,
Pittsburg, Pa.
Boxwood Sprays.
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B. L. Brickley, Shell Creek, Tenn.
Ferns and Leucothoe.

In writing to Advertisers kindly mention Horticulture

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HERBACEOUS PERENNIALS

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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HOSE

Henry A. Dreer, Philadelphia, Pa.
Garden Hose.
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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS.

Henry A. Dreer, Philadelphia, Pa.
Hydrangea Hortensis Otaksa.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Paletborpe Co.,
Eleventh St., Owensboro, Ky.
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Stump & Walter Co., 50 Barclay St., New York.
Kiln-dried Tobacco Dust.
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Tobacco Powder.
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IRIS

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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
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KENTIAS

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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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Boblink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.
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LILIES

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LILY OF THE VALLEY PIPS

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Kentucky Tobacco Product Co.,
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New England Nurseries, Inc., Bedford, Mass.
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Eastern Nurseries, Jamaica Plain, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Boblink & Atkins, Rutherford, N. J.
Boxwood and Evergreens.
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Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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German Nurseries and Seed House,
Loveless Tomato.
Beatrice, Neb.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordones Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigibum Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
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John Scott, Brooklyn, N. Y.
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J. C. Schmidt, Bristol, Pa.
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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PELAGONIUMS

Pelargoniums. Mme. Vibert, Sandford's
Surprise, Mme. Loyal, Linda, Dorothy, Mrs.
Robt. Sandford, Mme. Thibault, strong
2 in., \$6.00 per 100. F. H. De Witt & Co.,
Wooster, Ohio.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

PHOENIX ROEBELENI

Sander & Sons, New York, N. Y.
New Seed.
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**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 18 Midway St., Boston.
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Metropolitan Material Co., 1392-1408 Met-
ropolitan Ave., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT PRESERVATIVES

Keep your ferns six months without cold
storage; flowers, 20 to 30 days, at practi-
cally no cost. Formula and complete in-
structions on receipt of \$1.00. Barton, 110
Portsea St., New Haven, Conn.

PLANT STAKES

Seele's Tieless Plant Stakes and Trol-
lies. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 509-75
So. Erie St., Toledo, O.
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Henry A. Dreer, Philadelphia, Pa.
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POTASH

German Kali Works, New York, N. Y.
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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinensis.
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Primula chinensis, 9 colors mixed, 3
inch. 2c.; Obconica Rondelet, Lattmann
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

RHODODENDRONS

John Waterer & Sons, Ltd.,
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P. Ouwkerk, Hoboken, N. J.
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New Rose Daybreak and Lady Duncan.

John Cook, Baltimore, Md.
New Seedling Rose "Radiance."
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R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
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Arthur T. Boddington, New York, N. Y.
Hardy Roses.
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Bobbink & Atkins, Rutherford, N. J.
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The Rose, by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. F. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

RUSTIC WINDOW BOXES

Maples Rustic Works, Clayton, N. J.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Laangstraede 20, Copenhagen, Denmark.
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Schlegel & Fottler Co., 26 & 27 So. Market
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E. F. Winterson Co., Chicago.
Seeds for Plantamen, Nurserymen, Seeds-
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Giant Cyclamen Seed.
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPIREA

Joseph Breck & Sons, Corp., Boston.
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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
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25th & 26th Sts., Chicago.

The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1123
Broadway, N. Y.

WILD SMILAX

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Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 301
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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New Offers in This Issue.

CARNATIONS, ROOTED CUTTINGS.

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FRENCH BULBS.

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NEW CROP FLOWER SEEDS.

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Henry A. Dreer, Philadelphia, Pa.
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SILK MESH NETTING FOR FLORAL WORK.

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1910 SEED CATALOGUE.

W. Atlee Burpee & Co., Philadelphia, Pa.
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Flower Market Reports.

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son color next, and white the worst. Cattleyas held their own when good, but there were a good many inferior flowers which ranged low down in the scale. Gardenias were in good supply—a few too many for the demand. Lily of the valley was plentiful and a liberal number did not find a market. Roman hyacinths, narcissi, stevia, etc., were passed unnoticed. No comment is needed in regard to smilax; little is called for and always some carried over. Poinsettias, when fine, were sold at good figures. The exodus of New York society people to spend the holidays in the country—an old English custom which seems to be gaining favor here—is perhaps responsible for the fact that a good many of the larger boxes and baskets of plants were left unsold in some stores and would perhaps have some effect also on the sale of flowers. The present week opened quiet to a degree and so continues. Supplies are too ample for demand and quotations on all roses are very variable. Carnations are doing fairly well and up to Wednesday there are too many violets, but not many of these or anything else seems to be wanted and New Years is not counted on to make any sensational demand.

NEW ORLEANS

The Christmas trade of 1909 in this city far surpassed any previous year both in the volume of business done and the quality of the plants and cut flowers. Blooming plants were never so plentiful or so fine and anything from \$3.00 to \$10.00 was sold almost as soon as displayed. Poinsettias, Lorraine begonias, cyclamen, azaleas, ardisias and ericas were the most popular plants with the buyers. Made-up baskets and hampers are not popular here, but nearly every plant sold had to be in a basket, oval or other fancy cover, and generally also tied with the finest grade of ribbon. There were fine

flowered azaleas and pans of poinsettias and begonias from local growers. Foliage plants like Neph. Whitmanii and Adiantum Farleyense met a ready sale and a great quantity of table fern dishes were filled. The cut-flower trade was enormous and the quality of the material shipped here was A-1. But one complaint of pickled stock was heard. The number of bunches sent to the cemeteries was phenomenally large and the caterers in this line had all they could handle. Christmas trees sold out clean and holly, while not particularly good, met a ready sale. The weather the last three days of the week was clear, crisp and invigorating and added to the pleasure of shopping.

Advices from Minneapolis and St. Paul are to the effect that retailers and wholesalers alike had a very busy week and one of the best Christmas records in years. The demand for cut flowers equalled the output and everything was pretty well cleared out, with the exception of a few pot plants.

Our Detroit correspondent complains that much "pickling" of flowers, especially carnations, was done by the growers for that market with the usual result of trouble for everybody and financial loss to themselves.

CHICAGO NOTES.

Among the Retailers.

The retailers seem to have had the right kind of a Christmas according to their own statements backed up by stores that show evidences of much trade. That the sales aggregate far ahead of some years and considerably in excess of last year is the general verdict. The drop in prices in the wholesale market did not materially change the price in the retail stores for the reason that orders had been placed for a fixed price several days before the drop came. It was a surprise to the man who bought early at what he considered a cautious price to find later that he could have purchased the same grade of stock for less on Friday than he paid Monday. The number of orchids sold in Chicago seems a surprise even to those who sold them, so fast has this trade increased. Some very fine eastern lily of the valley was also sold here. Violets, both single and double, sold well. American Beauties were fine and people seemed to part willingly with eighteen, twenty or even more dollars in exchange for a dozen. The mails were so crowded that deliveries were delayed three days, making many mail orders a dead loss to the florist here as well as a disappointment to the senders. Baskets and hampers were even more in demand than last year, some stores selling over one hundred—none for less than five dollars and all the way up to thirty-five.

Some Experiences.

Harry Rowe expresses himself as believing that the snow was no detriment to the retailers' trade. A. Lange's employes worked so hard that Monday found three of them too ill to go to work. The Bohanan Floral Co. had their first Christmas in their new quarters and hardly knew what to expect, but results are satisfactory, they say. The Fleischman Floral Co.

employed ten busses and four taxicabs in addition to their own car to deliver.

Frank Oechslein's delivery wagons are models, equipped with stoves, and although they were out night and day and the snow was a great hindrance, scarcely a plant was nipped by frost. One of the wagons was struck by a street car and the driver had a very narrow escape with his life. The wagon was badly injured, but the plucky driver managed to deliver the plants.

O. J. Friedman's store was not closed during a period of 72 hours. Here, as at Smyth's, Hauswirth's and other retailers' generally, the business done was entirely satisfactory, despite the terrific storm.

The Bowlers.

This week begins the tournament and it will last two weeks or more. John and Alice Zeck, Geo. Asmus, Frank Ayers and E. F. Winterson comprise the team, Mr. Winterson and Allie Zeck playing in both the singles and doubles.

Personal.

W. J. Smyth is slowly gaining ground physically, but it will be a year he thinks, before he will be as well as before the accident.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

The long-heralded meeting of this important organization in Boston opened on Monday, December 27, bringing to the city a most distinguished gathering of men of learning. Owing to the great storm the attendance was much reduced in numbers, but the various meetings were not lacking in either industry or enthusiasm. Particularly interesting to horticulturists were the proceedings of the Association of Horticultural Inspectors and the Association of Official Seed Analysts. The latter body held a joint session with the executive committee of the American Seed Trade Association at Young's Hotel, among the attendants being Prof. L. H. Pammel of Ames, Iowa, who honored the office of HORTICULTURE with a friendly call. The Association of Horticultural Inspectors held its sessions at the Harvard Medical School and much time was given to the discussion of the various destructive insect pests on plants and trees and the methods of combating them. Dr. L. O. Howard gave a very interesting talk on this topic.

MINNESOTA STATE HORTICULTURAL SOCIETY.

On account of the holidays the December meeting of this society was held on December 14, in place of December 21.

There was a very good exhibit of cut flowers and pot plants.

Dr. Freeman, pathologist at the Agricultural School, gave an interesting talk on rust, violet disease, mildew, blight, etc., which brought forth a very lively discussion.

The president appointed the entertainment committee to make arrangements for the annual dance, as follows: C. N. Ruedlinger, chairman; Karl Rice, Ralph Latham, J. T. Loudon and Max Kasser. The dance will be held February 16th, 1910, at the Ark Auditorium in Minneapolis.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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WANTED—A MAN —Or Woman—

In every town sup-
porting a florist,
seedsman or nur-
seryman, in the
United States, to
solicit subscriptions

— FOR —

Horticulture

Pleasant work and
liberal pay make
this a splendid
means to add to
your regular in-
come. Write today
for our exceptional
offer.

Circulation Dept.

Horticulture Publishing Co.

11 Hamilton Place, Boston, Mass.

WANTED—Young man for general greenhouse work. One with a good knowledge of bedding plants. A good place for a good man. Wages \$50 per month and room. John Thatcher, Chestor, W. Va.

WANTED—March 15th, a Nurseryman of experience in packing and grading, and also a herbaceous man. Chas. R. Fish & Co., Worcester, Mass.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 88 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 1 13-room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland, Ohio.

FOR SALE—A hothouse, with two wings, each about 50 ft. long, put up in sections, including heater and all piping; will sell at a bargain. Apply to A. C. Chisholm, 1320 Blue Hill Ave., Mattapan.

FOR SALE—500 boxes of double glass, from 10x12 to 16x24; prices positively cheap to get rid of it on the grounds as it must be taken away within the month; also 2 of largest Furman Sectional Boilers practically new, used 2 seasons, 20,000 feet pipe from 1 up to 4 inch wrought and cast iron. At Duncan Greenhouses, Sparkill, N. Y. Address M. Tomlack, Post Office, Sparkill, N. Y.

Begin Right

by sending your dollar
for HORTICULTURE for
the year 1910.

You will help us
and
We shall try to help you.

Tell your Friends that
they will make no mis-
take in taking

HORTICULTURE.

Only \$1 for 52 Numbers
It's Worth the Price.

ROEHR'S

RUTHERFORD, N. J.

PHOENIX and KENTIAS

SITUATIONS WANTED

SITUATION WANTED—As foreman or manager, on a commercial establishment, where roses, carnations, chrysanthemums are grown. I have had years of experience and always produced good salable stock; am used to all kinds of floral work and accustomed to manage help; will be pleased to know of any party requiring the services of a good all around man, married. Address, Box 276, Bar Harbor, Maine.

SITUATION WANTED—By gardener on vegetables, flowers. Can take charge both under glass and outside. Absolutely sober and reliable. Pl. Howe, 40 Wash., Morris-town, N. J.

THE "CHRISTMAS FOLLY" IN PHILADELPHIA

An esteemed member of the retail trade in Philadelphia gave a lecture recently at the Florists' Club on the "Follies of 1908-9." He was quite severe on the growers and commission men, blaming them not only for boosting prices, but for holding back stock.

If boosting prices is folly there was as much of it as ever. If holding back stock is folly there was plenty of evidence to show that the same old foolishness still prevails. At least this is true of cut flowers. For instance, violets quoted in the regular schedule at \$1.25 to \$2.50—these were going at the wind-up at \$5.00 a thousand. Similarly with American Beauties, which, while they enjoyed a good run, could be had at half and less before the market closed. Many other items were in the same boat. In short, there was no trouble for any retailer to get all the flowers he wanted at moderate rates at the end, although the commission men and growers kept up a bold front to the last. Plants, on the other hand, cleaned up splendidly at regular prices and more could have been sold, notwithstanding the cold weather from the 18th to 22nd, which handicapped out-of-town plant shipments.

Nevertheless and notwithstanding these slight drawbacks, it was a great Christmas. Bigger than 1908 without any doubt whatever—follies or no follies! Anyone who went into the wholesale market two days before Christmas expecting to see the usual polite salesman rushing up to him with salaams and greetings, bowing and smiling and washing his hands in invisible water, got a rude shock and had to hunt around in his turn and do the salaaming. Perhaps a retailer would class that as another of the 1909 follies. But what could one do! One regular was glued to the long-distance 'phone at one side; another boss on the opposite, while all the local lines had their quota. A corrugated brow was busy sorting out gardenias; another expert had cattleyas on the brain. Orders for Baltimore, Washington, Pittsburg and Cleveland had to go out, and occupied a dozen of the crew with eyes and ears for nothing else. In another section the incoming goods were being hustled in, grabbed, opened, and sorted with busy fingers—while some on the floor were anxiously saving sweet peas and poinsettias from the greedy maws of the hungry outlying occasionals for their pet and regular customers in the central districts.

Extra boys for the delivery service were at a premium. Autos were everywhere, but anything on wheels came in very welcome. The only calm and collected person up and down the whole Rialto seemed to be Ed. Fancourt just in from a six weeks' trip. He stood around like a high priest supernumerary "first aid to the wounded" smoking a big black cigar. He wasn't really working. He only thought he was. At least he seemed to pay no attention to the wandering customers who ambled in looking for carloads of American Beauties and other little items like that at a dollar apiece. Leo was in an unusually genial mood; while all his forces from Clarence down were hustling with no eyes or ears for anything or anybody, but getting out the orders.

A MESSAGE FROM MARS.



Tell us Mr. Martian what those dark lines are that we see on your planet. These are the ditches we have dug to plant with the wonderberry. I have been sent for some seed.
Chorus—You can have it all.

When Richmonds and Killarneys are selling at fifty they have to be carefully packed. Arthur in his brown duck uniform showed himself a good man-at-arms when emergency calls as well as a good financier at regular times. Edward had no "kicks" coming, which spoke well for the fine business his house enjoyed. He took no stock in the five-dollar violet story. All he said was, "Did they buy the trash?"

Captain Crawford agrees with Chas. Henry, that high prices at Christmas are a mistake. Commodore's genial notion that people don't appreciate things unless they pay a good price finds no favor with Robert. George Craig was quite willing to admit that all this Christmas fuss was foolish, "but if people are willing to waste their money, what's the difference?" Let them go ahead. One retailer sold eighty-two dozen snapdragon and the "foolish" price at wholesale on this very minor item was two dollars a dozen. Frank Polites had not much to say on being asked if he had had a good Christmas. All he said was, "Yep." On being asked if it was better than last year—all he said was "Yep." On being asked "How much better?" he said: "Three hundred dollars better." That sounded good and genuine. We all love a plain unvarnished tale. Glittering generalities are so unsatisfactory in this foolish old world. A thrilling feature of the folly week was the rescue of a consignment of carnations lost in the wilderness of the West Philadelphia freight yards by Sherlock Holmes Stroud and his satellite Dr. Watson Cook. The express people hadn't even sense enough to be sorry. All they said was, "Gwan and don't bother us! Don't you see we're busy?" So Stroud held up his hands, said Mary Ann! and went home.

As for the Christmas blizzard and its two feet of snow, which has tied up everything the past three days, all that can be said is, it might have been

worse. Suppose it had come on Wednesday instead of Saturday night! The Christmas trade was practically over before it struck in all its fury and buried us out of sight. The weather for the week up to Saturday was fine, and the fakirs and Christmas tree people had a harvest.

PHILADELPHIA NOTES.

It is reported that Chas. Henry Fox, in company with a local confectioner, has purchased the Natatorium building, Broad and Locust, for \$110,000. The intention is said to be to erect a new building with double stores for the two businesses.

Two of the old Dietsch greenhouses of the H. A. Dreer Co. caved in from weight of the Christmas snow storm. There was no great damage as they were used for cold storage of roses, and were readily propped up for repairs.

The Florex Gardens at Lonsdale, had a gang of workmen at work removing the snow from their big tomato house, 175x1000 feet, and took no chances, although no undue strain was apparent.

A. M. Campbell, at Collingdale, suffered a loss in the collapse of two houses. His crops are mostly asparagus plumosus and Sprengeri, at this season.

Habermehl's at 22nd and Diamond, one side of a lean-to—damage limited.

Jno. Burton and J. W. Colflesh also had some trouble.

Jno. Westcott suffered a small loss from a cave in of a house 15x25 feet.

Official record at Philadelphia of the three great snowstorms of the past 20 years:

1888,	10 5-10 inches
1899,	18 "
1900,	23 8 10 "

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

PERSONAL.

Miss Edna Rose Bartels, daughter of F. C. Bartels, was married to Mr. Bernard M. Kimball at Cleveland, O., on Christmas day. They will reside at Schenectady, N. Y.

W. Rehm, of New Orleans, has accepted the position of travelling representative for W. A. Manda, and starts on his rounds the first of the year. Mr. Rehm's knowledge and long experience in the business will make him a reliable man.

Mr. Charles Loechner, of the Yokohama Nursery Co., New York City, had the misfortune to fall on the icy street and break his leg on Sunday, 26th inst. We are doubly sorry for Mr. Loechner and a host of friends will also sympathize, for he has suffered before from a similar cause.

WIZARD BRAND MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE
PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE
EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

— THE —
Pulverized Manure Co.
31 Union Stock Yards CHICAGO

AGRICULTURAL LIME

Especially prepared for the soil. All ready to apply with drill or otherwise. It is fine, dry, pure, bulky, and cheap. Results guaranteed. Ask your fertilizer dealer or write

CALEDONIA MARL CO., Caledonia, N. Y.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.

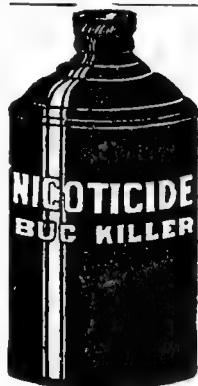
PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



Not genuine without it.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P. R. Palathorpe Co.
OWENSBORO, KY.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS
and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JAGER CO.
291-305 Franklin St., Boston

SPRAYED

*green Flies and
Black ones too*

are easy to kill with

**The Fumigating Kind
Tobacco Powder**

All our bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

\$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

The H. A. Stoothoff Co.
Mount Vernon, N. Y.

KILMDEAD

The best of all
the tobacco
dusts for

Dusting or
Fumigating

25 lbs. \$1.00	100 lbs. \$ 8.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

Stump & Walter Co. 50 Barclay St., New York.

In ordering goods please add "I saw
it in HORTICULTURE."

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS

Our Specialty

Can interest you with our prices all the time; we ask you to write us.

"Result," "Satisfaction."

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS

GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

BUSINESS CHANGES.

Muncy, Pa.—The greenhouses of Herbst & Son have been sold to Terry Bros. of Canton.

Woonsocket, R. I.—Thos. H. Greene has purchased the Summit Greenhouse from Jonas Brooks, and will conduct the same business. Mr. Greene was formerly proprietor of the Greene Flower Store.

Davenport, Ia.—A deed has been filed with the recorder in which F. H. Bills transfers to Harry Bills the florist business known as the Bills Floral Company. The transfer includes the greenhouses and property on Brown street and it also includes the downtown store at 104 West Second street.

It is announced that the sales office of the American Nursery Company, which comprises the Bloodgood Nurseries, Flushing, N. Y., and the F. & F. Nurseries, Springfield, N. J., has removed to commodious quarters in the Singer Building, New York City, and that the interests of Mr. F. W. Kelsey with the company have been eliminated.

HORTICULTURE, Boston, Mass.

Wishing you a Happy and Prosperous 1910 I enclose subscription for it and think the good things in the pages of HORTICULTURE, weekly, are worth much more than the cost.

Yours truly,

WM. SWAN.

Plymouth, Mass.

FIRE RECORD.

Cambridge, Mass.—Fire caused by an overheated boiler, did a damage of several hundred dollars to the greenhouse establishment of Wm. E. Doyle, on Christmas day.

Leavenworth, Kan.—Damage amounting to not over \$300, was caused by fire in the show windows of the Sunnyside Floral Co., December 20. The Christmas decorations in the window caught from a match carelessly handled.

PATENTS GRANTED.

- 943,677. Pipe Connection. Alfred Hol-loway, Rochester, N. Y.
943,817. Weed Digger. Richard R. Damoude, Plainview, Minn.
943,857. Lawn Mower. Harry H. Benson, Rockford, Ill.
943,900. Pipe Coupling. Clark J. Smith, Ottumwa, Iowa.
944,083. Weed Exterminator. Edgar A. Francis, Marshalltown, Iowa.

GREENHOUSES BUILDING OR CONTEMPLATED.

Kennebunkport, Me.—W. A. Rogers, one house.

Attleboro, Mass.—Fred. C. Rounds, vegetable house.

New York City.—The Wilson-Hoyt Company, manufacturers of concrete greenhouse benches, have opened an office in the Metropolitan Building.



DREER'S

Florist Specialties.
New Brand New Style.
HOSE "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
¾-inch, per ft., 15 c.
Reel of 500 ft., " 14 ½ c.
2 Reels, 1000 ft., " 14 c.
½-inch, " 13 c.
Reels, 500 ft., " 12 ½ c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 ½ " " " 5.25	120 7 " " " 4.20
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 ½ " " " 5.80	
500 4 " " " 4.50	
456 4 ½ " " " 5.24	
320 5 " " " 4.51	
210 5 ½ " " " 3.78	
	48 9 in. pots in crate \$3.60
	48 10 " " " 4.80
	24 11 " " " 3.60
	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

American Flower and Tree Tub.

No.	Top.	Deep	Price
1	13 ½	12	\$1.00
2	14 ½	14	1.25
3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 ½	24	5.50

The American Woodenware Mfg. Co.

TOLEDO, OHIO

Sold by Schlegel & Fottler Co., Boston, Mass.



Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., - Washington, D. C.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

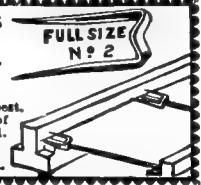
THE PETERS & REED POTTERY CO., Zanesville, Ohio.

Holds Glass Firmly

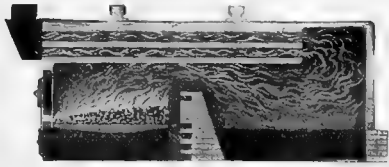
See the Point **PEERLESS**

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.



KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

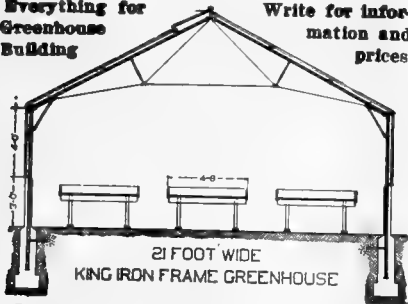
Water Space In Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Everything for
Greenhouse
Building

Write for infor-
mation and
prices



Is Widths from 24 feet 0 inches to 54 feet 0 inches.
Without posts.

KING TRUSS SASH BAR HOUSES.
IRON GUTTERS AND EAVES.
IRON AND CYPRESS BENCHES.
VENTILATING MACHINERY.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

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Second Hand

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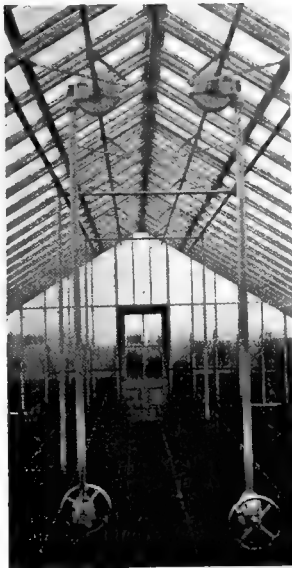
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HORTICULTURE

Vol. XI. JANUARY 8, 1910 No. 2



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FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS
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Price, Rooted Cuttings

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000, \$95.00 per 1000 in lots of 2500. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid, increasing its popularity. ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

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Double Petunias, mixed colors, \$3.00 per 100. Canna Roots, home grown, 1,000,000 good strong division at \$18.50 per 1000. King Humbert, \$6.00 per 100; \$50.00 per 1000. Dahlia Roots, whole field clumps, \$5.00 per 100 and up.

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\$12.00 per 100.

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light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. \$12.00 per 100; \$100.00 per 1000.

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A NEW LIGHT PINK
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White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden, \$3.50 per 100; \$30.00 per 1000.

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FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

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FULL LINE OF PALMS AND FERNS

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American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. W. & T. SMITH CO. Geneva, N. Y.

BEST VARIETIES AZALEAS IN BUD AND BLOOM

Azalea Indica, in bloom for New Years. Mad. Petrick best early double pink, 75c, \$1.00, \$1.25 to \$1.50. Deutsche Perle, pure double white, and Vervaekeana, double variegated rose, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Azaleas, all sorts for Easter, at 50c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$3.00. Please state if wanted in or out of Pots.

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HEACOCK'S PALMS

Areca Lutescens	Each
6 in. pot, 3 in. pot, 24 to 26 in. high	\$0.75
7 in. pot, 3 in. pot, 26 to 28 in. high	1.00
6 in. pot, 3 in. pot, 30 to 32 in. high	2.00
Cocos Weddelliana	Per 100
2½ in. pot, 8 to 10 in. high	\$10.00
2½ in. pot, 10 to 12 in. high	15.00
Kentia Belmoreana	Each
5 in. pot, 6 to 7 lvs, 18 in. high	\$6.00
6 in. pot, 6 to 7 leaves, 22 to 24 in. high	12.00
7 in. pot or tub, 6 to 7 leaves, 24 to 26 in. high	2.50
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy	5.00
9 in. tub, 6 to 7 leaves, 48 to 54 in. heavy	6.00
Made-up Kentia Forsteriana	Each
7 in. pot, 4 in. pot, 34 to 36 in. high	\$2.50
7 in. pot, 4 in. pot, 36 to 38 in. high	3.00
9 in. tub, 4 in. tub, 42 to 48 in. high	5.00

JOSEPH HEACOCK CO., Wyncote, Pa.

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Apples 5c, Peach 5c, Plum 12c, Cherry 15c. Best quality, good bearers, grafted stock, not seedlings. Concord Grapes \$2.50 per 100. Forest Tree Seedlings \$1.00 per 1,000 up. W. pay the freight. **GERMAN NURSERIES & SEED HOUSE** CARL SONDEREGGER, Pres. Complete line of Vegetable and Flower and Farm Seeds. Our large illustrated catalogue free. Also free Sample packet of "New Coreless" Tomato, the best of all tomatoes. **German Nurseries, Box 236, Beatrice, Neb.**

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Now in Bloom and Bud. Orders take Easter delivery in the best commercial varieties.

Bay and Box Trees, Euonymus, Eurya latifolia, Araucarias, Asparagus, Adiantums, Crotons, Areca lutescens, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus, Small Ferns for Dishes in the best sorts, as well as many other Decorative and Foliage Plants at Lowest Wholesale Prices.

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ROSLINDALE, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

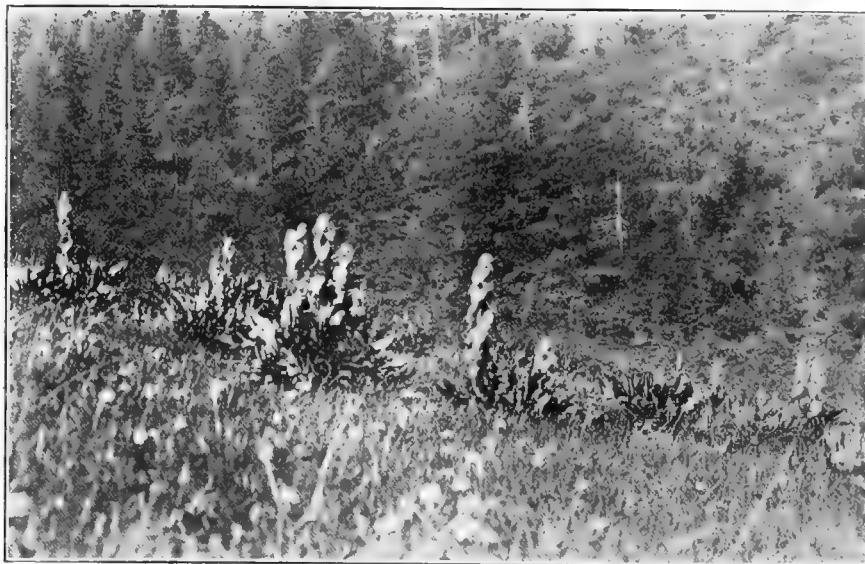
Plant Novelties from China

For the waterside and woodland the Senecio family is full of good things. This family is one of the largest in the vegetable kingdom and in China alone is represented by over a hundred distinct species. The majority of these are weeds pure and simple, and of no ornamental value whatsoever. On the contrary others such as *Senecio clivorum*, *S. Veitchianus* and *S. Wilsonianus* are of extreme beauty. These three plants have bold, reniform-cordate leaves, a foot or more across, but are dissimilar in other respects. *S. clivorum* has a much-branched, corymbose inflorescence, 1½ to 2 ft. across, with flowers, aster-like, 3 to 5 inches diameter, of a peculiarly rich golden-yellow color, in shade unlike any other plant in cultivation. *Senecio Veitchianus* and *S. Wilsonianus* have erect spikes of flowers 5 to 6 ft. or more tall. In the first-named the spike is simple and the flowers clear yellow. In *S. Wilsonianus* the spike is cylindrical, like an enormously elongated thyrse, branching at the base with golden-yellow flowers. In both species the actual length of the spike clothed with flowers is 2 to 3 ft. Strong clumps of these three Senecios will produce half-a-dozen or more flowering spikes bearing hundreds of flowers and in August and September are extremely attractive.

Quite different to the above but equally beautiful is *Senecio tanguticus*. This herb grows 4 to 5 ft. high, has finely cut foliage and pyramidal panicles of clear yellow flowers, 8 inches to a foot long. The individual flowers are small and the whole plant suggests a glorified golden-rod (*Solidago*). Another fine species but not yet in commerce is *S. nelumbifolius* with huge Lotus-like leaves, 2 ft. or more across, and a large flat-headed inflorescence composed of innumerable small, yellow flowers. These Senecios are readily raised from seeds which are freely produced, grow rapidly and soon make strong flowering plants. *S. tanguticus* is apt to make itself too much at home and the cultivator must watch out or it will usurp the whole waterside unto itself.

Rodgersia aesculifolia, *R. pinnata*, and *R. pinnata alba* are a trio of new plants fitted for planting alongside the above Senecios; their white and pink flowers forming a pleasing contrast. These new *Rodgersias* are strong-growing plants, with broad thyrseoid panicle of fragrant flowers, a foot to eighteen inches long, borne well above the foliage on spikes 3 to 5 ft. tall. The leaves in form resemble those of the Horse-chestnut (*Aesculus*.) In *R. pinnata* the flowers are a delicate rose-pink, in the other two the purest white. Two other *Rodgersias* not yet in commerce are *R. sambucifolia*, with truly pinnate leaves, and *R. tabularis* with rounded, peltate leaves. *Rodgersias* are easily raised from seeds but they grow slowly: the rootstock is a very stout rhizome and it is best to start off with strong established roots.

Few plants are more popular for pot-forcing for winter work than *Astilbe* (*Spiraea*) *japonica* and *A. astilboides*, both old but indispensable plants. Their newly discovered relatives, *A. Davidi* and *A. grandis*,



RHEUM ALEXANDRAE

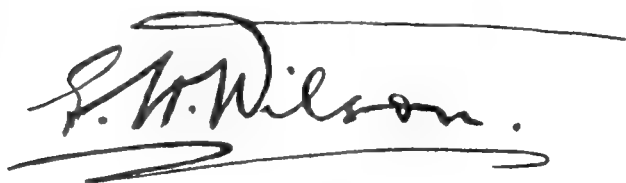
Chino-Thibetan borderland, Alt. 12,000 ft. Flowers, cowslip yellow.

are not useful for this purpose but for the waterside and moist border they possess much higher claims than our old friends. *A. Davidi* was the first of the two known and created a sensation when exhibited. The flowers are of a peculiar shade of red, found only in the Loosestrife (*Lythrum salicaria*) heretofore, with blue anthers. The flowering stems are 6 ft. tall with the flowers densely crowded on much-branched panicles 2 to 2½ ft. long, with the lateral branches ascending. Partial shade suits the plant best since in strong sun the flowers bleach. *A. grandis* is similar in habit and vigor of growth but with pure white flowers. The individual flowers are the largest in the genus and the axillary branches of the flower panicle are horizontally spreading. The leaves of both species resemble those of *A. japonica* but are much larger and of greater substance. If some hybridist would take up these two plants in the way that certain continental nurserymen have taken up the pink flowered *A. chinensis* some remarkable results might be obtained.

Similar to the *Astilbes* but belonging to a very different family is *Artemisia lactifolia*. This new wormwood has finely divided, chrysanthemum-like, aromatic leaves and large panicles of milk-white, fragrant flowers, borne on flower-spike 3 to 4 ft. tall. In the heart of China this is a weed of cultivation and the writer little thought when sending it home that it would so quickly develop into such a charming plant. This *Artemisia* and the *Astilbes* are readily raised from seeds and soon propagated by division of the root-stock.

The Rhubarb family is well-known but whilst this bold foliage and tall flower-spikes make them noble subjects in a way they can scarcely be classed as choice herbs. Very unlike an ordinary Rhubarb is the new *Rheum alexandrae*. This plant has neat, ovate-cordate, shining leaves, a foot or more long, and an erect, pyramidal, tower-like inflorescence, a yard or more high. The showy part of the inflorescence consists of large, rounded, cowslip-yellow bracts, arranged tile-like one above another. It is native of the alpine-meadows and moorlands of the Chino-Thibetan borderland where its peculiar and rich colored inflorescence makes it a conspicuous object in the distance and compels attention. It grows well in any good, rich, moist garden soil, is

fond of partial shade and of cow-dung. It is readily raised from seeds but requires several years to develop strong flowering crowns. The colloquial name for this plant is Ma-Huang—Horse rhubarb.



British Horticulture

AMERICAN APPLES

The varied array of imported fruit seen on the London markets has been augmented this season by a fine assortment of apples from the Wenatchee valley in the State of Washington. The fruit is first-class as regards flavor and appearance. The three principal varieties particularly admired on this side are the Spitzenburg, Winter Banana, and Rome Beauty. The first-named is notable for its excellent coloring—one of the chief essentials for an apple for commercial purposes. Winter Banana is likely to become very popular on this side. Rome Beauty is well known to British consumers, owing to its inclusion amongst the varieties which are extensively shipped here in the season from Australia. The recent consignments of these apples have been quickly bought up at prices ranging from 13s to 25s a case.

BRITISH AND COLONIAL FRUIT

At the annual show of British and Colonial fruit, organized early in Dec. by the Royal Horticultural Society, a special feature was the magnificent display of apples shown by the British Columbian Government. About 650 cases were exhibited, and the meritorious character of the exhibits richly deserved the gold medal awarded. New Zealand also made a creditable show of apples, whilst bananas were exhibited by the Permanent Exhibition Committee of Trinidad. British orchard fruit was represented by the capital displays of J. Veitch & Sons, and G. Bunyard & Co. Great interest was evinced in an exhibit of 400 bottles of home grown fruit, shown by Tr. Poupart, a well-known grower for market.

ITEMS OF INTEREST

The membership of the British Gardeners' Society now totals 1594.—A movement is on foot to provide a fitting memorial to the late Peter Barr, the "Daffodil King." It is suggested that this should take the form of a special pension to be provided from a fund raised in connection with the Royal Gardeners' Orphan Society, and a memorial medal to be awarded for narcissi.—The degree of Master of Arts has been conferred on Mr. F. W. Moore, the curator of the Glasnevin Botanic Gardens, Dublin.

London.



Mossed Walls

Walls in greenhouses and conservatories when tastefully mossed and planted are always much admired, and the wonder is that the practice is not more common. An ideal wall for this purpose is the brick, stone, or concrete wall often seen in a greenhouse joining a potting shed or some other building or on the back wall of a lean-to or house in which plants of the same class as those used in the wall are grown. Many conservatories also provide suitable places for this purpose. There is considerable work, however, in building the moss wall at first, but when properly done it will last for several years with very little repairs or care.

The system of preparing this has, of course, to be varied to suit the individual case, but the general rule is to begin by forming a net work of 4-inch squares with stout copper wire all over the part of wall which is to be mossed. This should be about an equal distance of about $3\frac{1}{2}$ inches from the wall so that the moss when packed in between will be an equal thickness of about 5 inches all over, and as the tight packing of the moss puts a great strain on the wires it is necessary that they should be well supported from the ends by connecting to a strong but neat iron or wooden edging. It is also necessary to support them at different places on the wall so as to prevent bulging out. A good plan to do this is to drill holes into the wall about 2 feet apart each way and screw into them 6-inch galvanized iron screw eyes and pass the wires through them as put up. It is generally most convenient to put the cross wires on as the bank of moss is built up and the plants put in at the same time. Sometimes leaf-soil or charcoal is used through the moss, but good, clean, live sphagnum moss only will suit almost any kind of plant used for this purpose. A large mirror when set neatly into the moss in a position that it will reflect a quantity of plants, brings out a charming land and water-like effect.

In selecting the plants for the wall, the planter has, of course, to be guided by the needs or tastes of the owner, the temperature the house is expected to be kept at, and other circumstances; but, in any case, when a green effect is desired ferns are undoubtedly the most suitable, and *Adiantum cuneatum* is probably the best all-round variety. *A. Farleyense* is good where a temperature from 70 to 75 degrees can be maintained. Other suitable subjects are *A. Croweanum*, *A. caudatum* and *Nephrolepis cordata compacta*, also the following—mostly of variegated foliage—*Alocasia Sanderæ*, *Dracaena Godseffiana*, *D. Lord Wolseley*, *Begonia Rex* in variety, crotons, *Carex Japonica variegata*, *Pandanus Veitchii*, *Fittonia argyroneura*, *F. Verschaffeltii*, *Peperomia maculata*, *P. metallica*, *Ophiopogon Jaburan variegatus*, *Strobilanthes Dyerianus*, marantas, *Selaginella Kraussiana*, anthuriums and *Begonia Gloire de Lorraine*. These should all be planted from the smaller sized pots, and when in the condition that plants are generally in when a shift to larger pots is given, bearing in mind to allow space for the development of the plants and to accommodate each variety as far as possible with the light or shade it may require.



Charles Sprague Sargent

This famous dendrologist was born in 1841, and graduated from Harvard in 1862. Appointed Director of the new acquired Arnold Arboretum in 1873, he has guided the helm of this institution since its inception. The formation of this Arboretum has been his work and hobby and he has spared himself in no way in accomplishing his task. Ably assisted by his lieutenants he has made this Arboretum what it is, one of the foremost—perhaps the foremost—institution of its kind in the world. For the purpose of stocking this Arboretum he has traveled far and wide, and has been the direct or indirect agent in the introduction of an enormous quantity of hardy trees and shrubs. His correspondents are everywhere and probably no institution in the world has been (and still is) such a great distributing agency in the matter of this class of plants. His work is of world-wide reputation. In our own country he or his agents have re-discovered and introduced to gardens a large number of rare and imperfectly known or lost plants; for example, *Shortia galacifolia*.

In 1892 he traveled in Japan and collected there a quantity of ornamental trees and shrubs; one of the best known and most appreciated of these being *Azalea Kaempferi*. In 1900 he made a tour round the world, and in 1906 visited South America. These journeys added further increase to the Arboretum collections. Mr. Sargent was also one of the first to realize the enormous floral wealth of the interior of China and he, more than any one man, has been responsible for the recent exploration work in that country. The garden at his residence, Holflea, Brookline, is among the finest in New England, and is known through the length and breadth of this land. It contains many magnificent trees and shrubs, amongst others the largest plants outside Japan of *Cercidophyllum japonicum* and *Magnolia kobus*. The collection of Indian *Azaleas* there was one of the earliest formed and most complete in this country. A voluminous writer, all his works are remarkable for their lucidity, close diction and accuracy. He was special editor of the tenth Census Report on the forests of North America. This work laid the foundation for his subsequent publications on forest trees. His monumental work, the "Silva of North America," occupied nearly twenty years in preparation, being published in 14 vols., quarto, in 1891-1892. Later he gave us his "Manual of Trees." He edited the "Garden and Forest," a publication superior to anything of its kind heretofore attempted and its short life was much to be regretted. The journey to Japan resulted in a series of charming articles in "Garden and Forest." These were subsequently collected into book form under the title, "Forest Flora of Japan."

As a worker and patron in the field of horticulture we have to look across the water, to men like Sir Joseph Banks in the eighteenth century, and Sir William Hooker in the early half of the nineteenth century, for



Photo, copyrighted Thos. E. Marr, 1904

PROFESSOR CHARLES SPRAGUE SARGENT

Awarded first George Robert White gold medal by Massachusetts Horticultural Society for distinguished services to horticulture.

a comparison. Mr. Sargent combines in an extraordinary degree the attributes of these remarkable men. His influence on dendrological horticulture in this country has been immense and will be even more greatly felt as the years roll by.

His botanical works are too numerous for mention here; but, as we all know, for several years past he has devoted much time to the elucidation of the perplexing problems of the American *Crataegus*. The more striking of these together with other plants are figured and described from time to time in his publication, "Trees and Shrubs." A big man in every sense of the word, a strong man, a man of few words and great deeds, a man with an inordinate capacity for hard work, a man possessed with the happy knack of without seeming effort gaining from his friends and colleagues their hearty co-operation and assistance. Such a man is Charles Sprague Sargent—a genius of whom any country may well be proud. In making him the first recipient of the George Robert White Medal, for distinguished service to horticulture, the Massachusetts Horticultural Society has made no mistake and has honored itself in so doing.

New Rose Radiance

Our front cover page this week is devoted to an illustration of the most notable of the season's novelties in roses introduced by the veteran rose specialist, John Cook of Baltimore, who has already given to the florist trade of America several fine roses, including one of their most popular and profitable forcing varieties—My Maryland. Radiance, the new candidate for favor, is a seedling from Cardinal, color brilliant pink with a silvery lining to the petal. The buds are large, stems long and flowers very fragrant. The variety is a constant bloomer the whole season through.

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help in the work of this important year—the beginning of the second quarter century of the national Society's career. Both appointees have served as president and Mr. Rudd has already served more years on the Executive Board than any other member, with the single exception of Ex-Secretary Stewart. These gentlemen are thoroughly familiar with the Society's work in the past and its needs for the present and future.

Improve the shining hour

The time draws near for the annual carnation carnival—this year at Pittsburgh. A spot so central should, and doubtless will, draw a very large attendance from all directions. The schedule of premiums is liberal and comprehensive, covering the ground very well except that no cognizance is taken of the importance of the retailer in the campaign for maintaining and increasing the popularity of the carnation with the general public. Assuming that the public are to be admitted to see and admire the exhibition, we think that the presentation of some convincing examples of the divine flower's decorative adaptability for various purposes would make an impression and advance the interests of the flower locally to an extent far greater than a display in vases only, and we know that Pittsburgh has among her florists some brilliant exponents of floral decorative art and the opportunity to show what the carnation is capable of in the hands of an artist seems too good to lose.

A good name misused

It is rather interesting to note how many organizations devoted to the interests of agriculture, orcharding, etc., are sailing along under the designation of "Horticultural Society," state or local. We find on the same order the so-called horticultural departments of certain farming periodicals, treating on potato growing, feeding stuffs, care of milk and similar topics—all useful and "trooly rooral" but horticultural only by very remote association. We have before us an extract from the report of a "horticultural" society located between Boston and Chicago which presents as a subject for consideration at its annual meeting "The Hog of Today and Its Food." Among the topics listed by another is "The Deadly Cigarette." Many such instances might be cited and we often find an entire program devoid of a single item which is legitimately horticultural. Perhaps no particular harm is done but there is just one phase of the situation to which we should like to call attention. Many of these organizations are drawing public appropriations ostensibly for the purpose of horticultural advancement. Without wishing to appear as disparaging the value of education in any branch of husbandry we should like to see these things exploited under their proper names or, if State appropriations are to be made for horticultural advancement, why should not the horticulturists of the community insist upon their use in accordance? As an example of a really broad-gauge organization, let us commend the Minnesota State Horticultural Society. And there are a few others.

Our news columns announce the personnel of President Pierson's official appointees household for the coming year. An innovation is seen in the appointments on the Executive Board, two well-seasoned old leaders having been selected instead of new timber as has been the almost invariable rule in the past. The President is not a man who does things without due consideration and no doubt he sees where experienced war horses can

After Adjournment

An Errand Dog.

Policeman William A. Hamilton's cocker spaniel dog that was run over by an automobile Monday night has so far recovered from his injuries that he was able Wednesday to perform his usual errand of taking the daily paper home.—*Kennebec (Me.) Journal*.

Better let him carry the trade papers, too; that is, if his mouth is big enough.

Tool House Aeroplane.

When A. Hayashi, a Japanese nurseryman of Alameda, at Park and Buena Vista, awoke yesterday morning he was thunderstruck to see his tool house reposing calmly in the middle of Park street. A neighbor said he saw the tool house sailing through the air the night before on the wings of the high wind.—*San Francisco Examiner*.

What will California spring on us next?

Florists Cut Crop of Gold.

Sing hey for the merry, merry florist!

He ought to be a particularly merry chap Christmas day, for he has been making hay the last few days, as it were!

Flowers have been going up, almost though not, of course, quite to the height of the beef and pork markets.—*Omaha Bee*.

You people in Omaha had better lay low when the reporter comes around. The assessor may be your next caller, a la Framingham.

Hitched a Pulverizer On.

Nick Diède had a bad luck last Saturday while he went to hitch a pulverizer on and hitched two horses on and wanted to tie the others to them while he had tied one on and wanted to tie the other on that side turned over to the hind side and came under the pulverizer and cut his hind legs till in the bones so the animal had to be killed as soon as possible while the others cut themselves barely.—*Menlo Herald*

Such are some of the dangers of agriculture. And the correspondent—well, there are all kinds, you know.

Another Wizard.

"Plant your seeds when the moon is growing full. If you plant them when it is on the wane ten chances to one they won't grow. That is one of the most important things to know about growing plants from the seed, according to Mrs. A. Fechtig, 341 West 37th street, New York. Mrs. Fechtig has been raising plants for her own amusement in a city flat and on the roof of that flat for thirty-eight years."

"There is something interesting about gladioli. If you lay the bulbs of flowers of different colors side by side or on top of each other for the winter, your flowers will be of quite a different shade from what they would have been if you had kept the bulbs of different shades separate. That is one way I get new tints."—*Extracts from a column article in the Chicago Daily News*.

The Daily News ought to be a good subject for the Council of Horticulture to practice on. Great chance for "the fine Italian hand."

Goshen, Ind.—A. E. Kunderd, the gladioli specialist and hybridizer of Fort Wayne, Ind., has purchased 50 acres of land in Goshen, where he will locate early next spring and grow gladioli and other summer cut flowers for the Chicago market. He will be conveniently located on the Lake Shore and Michigan Central, the Big Four and Interurban Railways, 100 miles east of Chicago and 17 miles east of South Bend.

WHITE CATTLEYA LABIATA.



Mr. E. V. Low sends us the accompanying illustration of his collection of white labiatas—some twelve or fifteen varieties—in bloom last November. These are the outcome of many years assiduous collecting from many

sources. We know several ambitious American florists who "wouldn't do a thing" to that bunch of plants if given permission to use the knife on them and expense would be a minor consideration.

THE HEDGE AS A BLIZZARD BUFFER.

The magnificent work of the Reading R. R. in keeping its lines running on time during the record-breaking blizzard of Christmas, 1909, while every other steam road entering Philadelphia was tied up for from two to five days was ascribed by a high official of the road to its splendid track equipment and discipline in part; but a great share of the credit was also given to the privet hedges along every embankment where drifting was likely. The hedges proved at this time as always a splendid wind break and saved the company many thousands of dollars in the labor cost of digging out drifts. The hedge policy was inaugurated many years ago at the shrewd instigation of the Reading's landscape gardener, Paul Huebner, and time has amply demonstrated its wisdom. A local nurseryman was so impressed with the effectiveness of the idea in practical operation that he set his entire office force to work writing details to every railroad manager in the country—incidentally offering their stock of privet plants. A good and timely stroke of business. Make a note of this ye wide-a-awake nurserymen!

G. C. W.

better advantage the column devoted to the manufacture of paper flowers. "Cut them out."

The Report of the Country Life Commission and Special Message from President Roosevelt has been reprinted for free distribution by the Chamber of Commerce, Spokane, Wash. This is Document No. 705 of the Senate, 60th Congress, 2nd session, and its publication, to meet the widespread demand for the document, which is not available through government channels, is done with the approval of President Taft.

Evergreens: How to Grow Them. By C. S. Harrison.—This book of 100 pages by our esteemed friend and correspondent of York, Neb., deserves a word of sincere commendation. It is written for the people of the great prairie states—a section of the country yet new, where necessity and utility have the first say and esthetic sentiments are for a time necessarily forced into the background. But C. S. Harrison has been preaching the Gospel of Beauty to those hardy pioneers for these many years and Nebraska is justly proud of him. Every line he writes is pregnant with the true horticultural spirit which makes for humanity in its highest and best sense, makes gardens in the desert and turns the ranch into a home. The book shows throughout the touch of the expert and its cultural notes and observations may be safely accepted as thoroughly reliable. Price, cloth, 50 cents; paper, 25 cents.

PUBLICATIONS RECEIVED.

The Flower Garden, Vol. 1, No. 1.—We welcome this newcomer in the field of floral literature and extend to the publisher, J. C. Swanger, Salt Lake City, Utah, our hearty good wishes. In doing so, we venture to suggest in the kindest spirit that he might use to

PERSONAL.

Visitors in Boston.—J. Muller, representing Julius Roehrs Co., Rutherford, N. J., E. Andre, Trinidad, B. W. I.

Carl L. Olson, employed by the Iowa Seed Co., and Hazel L. Divilbiss were married December 22 at Des Moines, Ia.

NEWS OF THE CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

A good turnout of the members came to hear Edward A. Stroud on "Building up a retail trade in a growing community" at the regular monthly meeting of the above club held on the 4th inst. Mr. Stroud handled his subject in a very able manner, gave food for thought and brought out points enough to warrant discussion for a year to come. We hope to publish same in our next week's issue. A vase of single wall-flower, Early Paris, and an exhibit of Beauty of Nice, blush and Empress Elizabeth stock pink were put up for inspection. These came from Overbrook Gardens and were highly commended by the committee for earliness and fragrance. A ladies' night was ordered arranged for about the last week of January—exact date to be announced later. Adolph Farenwald will be the speaker at the next monthly meeting, the first Tuesday of February. His subject will be "The American Rose Society and its aims." Condolences from the Baltimore brethren in the shape of a series of resolutions on the death of our esteemed fellow member, William K. Harris, were read by the secretary, and were greatly appreciated.

AMERICAN CARNATION SOCIETY.

The Cottage Gardens Co., Queens, N. Y., register the following new carnations:

Alma Ward—Prosperity x White Seedling. White, sometimes showing delicate splashes of pink. Size, $3\frac{1}{2}$ to $4\frac{1}{2}$ inches. Stems, 36 to 42 inches. Remarkable for size of flower and length of stem. Strong and vigorous grower.

Mrs. C. W. Ward—Mrs. Lawson x Mrs. Roosevelt. Deep pink, lighter than Lawson but deeper than Winsor. Size, $3\frac{1}{2}$ to 4 inches. Stem, 24 to 36 inches. Early and free bloomer, producing fine flowers as early as September 1st.

A. F. J. BAUR, Secretary.

ELBERON HORTICULTURAL SOCIETY.

The Elberon Horticultural Society held its first meeting of the New Year on Jan. 3rd, president Peter Murray in the chair. The competition for points was as follows: C. Duncan for Freesia Purity, 85; A. Bauer, carnation White Perfection, 85; W. Seymour, Enchantress, 75. The next meeting will be carnation night, Jan. 17th. As the carnations are very good in this section we look for a nice display.

ALEX. FLEMING, Cor. Sec.

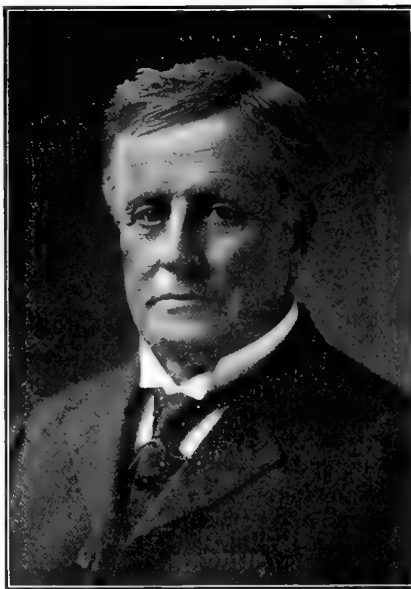
MASSACHUSETTS HORTICULTURAL SOCIETY.

The beautiful exhibition of photographs of Chinese scenery and plant life made by E. H. Wilson on his tour in Western China on behalf of the Arnold Arboretum, has attracted a great many visitors to Horticultural Hall, Boston, during the past two weeks. The society has awarded its highest honor, a gold medal, to Mr. Wilson in recognition of this valuable educational exhibit.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

President F. R. Pierson announces the following official appointments for 1910:

Executive Board, three years: Wil-



ROBERT CRAIG

lis N. Rudd, Morgan Park, Ill.; Robert Craig, Philadelphia, Pa.

Botanist: Prof. John F. Cowell, Botanic Gardens, Buffalo, N. Y.

Pathologist: Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist: Dr. S. A. Forbes, Urbana, Ill.



W. N. RUDD

Washington Representative of the Society: William F. Gude, Washington, D. C.

Tariff and Legislative Committee: Patrick O'Mara, Jersey City, N. J., Chairman; J. A. Valentine, Denver, Col.; J. C. Vaughan, Chicago, Ill.; Patrick Welch, Boston, Mass.; John G. Esler, Saddle River, N. J.; J. O. Thilow, Philadelphia, Pa.

Committee on School Gardens: Benjamin Hammond, Fishkill-on-Hudson, N. Y., Chairman; A. T. De La Mare, New York, N. Y.; Prof. John F. Cowell, Buffalo, N. Y.; Wm. B. Durie, Rahway, N. J.; H. B. Howard, Chicago, Ill.; Joseph Heacock, Wyncote, Pa.

Committee on National Flower Show: As the work of this committee has not been accomplished, the committee appointed by Pres. Valentine is continued, except that E. A. Stroud of Overbrook, Pa., has been appointed to fill the vacancy occasioned by the resignation of Edwin Lonsdale.

National Council of Horticulture: E. G. Hill, Richmond, Ind.

State Vice-presidents, 1910.

Ala., George E. Luffman, Birmingham.—Calif. (North), Hans Plath, San Francisco; (South), Morris Goldenson, Los Angeles.—Colo., N. A. Benson, Denver.—Conn., Wallace R. Pierson, Cromwell.—Dist. of Columbia, Peter Bisset, Washington.—Fla., E. N. Reasner, Oneco.—Geor., Daniel C. Horgan, Macon.—Idaho, J. W. C. Deake, Twin Falls.—Ill. (North), Leonard Kill, Chicago; (South), J. F. Ammann, Edwardsville.—Ind., W. W. Colee, Kokomo.—Iowa, James S. Wilson, Des Moines.—Kan., A. H. Whitcomb, Lawrence.—Ken., D. B. Honaker, Lexington.—Louisiana, Harry Papworth, New Orleans.—Me., William Miller, Bar Harbor.—Md., R. Vincent, Jr., White Marsh.—Mass. (East), E. Allan Peirce, Waltham; (West), A. J. Loveless, Lenox.—Mich. (East), Michael Bloy, Detroit; (West), Henry Smith, Grand Rapids.—Minn., Theo. Wirth, Minneapolis.—Mo. (East), Otto G. Koenig, St. Louis; (West), W. L. Rock, Kansas City.—Miss., S. W. Crowell, Rich.—Neb., John J. Hess, Omaha.—N. H., R. E. Hannaford, Portsmouth.—N. J., Joseph A. Manda, West Orange.—N. Y. (East), A. L. Miller, Brooklyn; (West), George B. Hart, Rochester.—N. C., J. L. O'Quinn, Raleigh.—Okla., George Stiles, Oklahoma City.—Ohio (North), C. J. Graham, Cleveland; (South), E. G. Gillet, Cincinnati.—Ore., James Forbes, Portland.—Penn. (East), W. P. Craig, Philadelphia; (West), Fred Burki, Gibsonia.—R. I., L. J. Reuter, Westerly.—S. C., C. A. Moss, Spartanburg.—S. Dak., E. C. Newbury, Mitchell.—Tenn., C. L. Baum, Knoxville.—Tex., Alexander Miller, Dallas.—Va., W. A. Hammond, Richmond.—W. Va., A. Langhans, Wheeling.—Wash., Amy L. Lambly, Spokane.—Wis. (East), Fred Holton, Milwaukee; (West), C. E. Schaefer, La Crosse.—Can., Ontario, W. W. Gammage, London; Manitoba, H. E. Philpott, Winnipeg; Quebec, George A. Robinson, Montreal; Alberta, A. M. Terrill, Calgary.



Rhododendrons For Forcing.

To close out quickly we offer special values for an exceptionally fine lot of bushy shapely plants splendidly set with buds of best selling varieties:

	Per dozen.	Per 100
18 to 24 inches high, 10 to 15 buds.....	\$10.00	\$75.00
15 inches high, 6 to 10 buds.....	6.00	50.00

Azalea Mollis.

A splendid lot of bushy, well budded plants, 15 inches high, in fine shape for early forcing, \$4.50 per dozen; \$35.00 per 100.

Pot Grown Lilacs.

Charles X and Marie Legraye, well budded, shapely stock, \$6.00 per dozen; \$50.00 per 100.

HENRY A. DREER

714 Chestnut St., Philadelphia, Pa.

Carnation Dorothy Gordon

¶ This wonderful new Carnation—a seedling of Lawson on Enchantress—is a money-maker for the commercial grower. It possesses all the strong points without the weaknesses, of the parent varieties. Its unusual size—

The Success of the Year

averaging three inches in diameter—clear, rose-pink color, strong constitution and excellent keeping qualities, commend it to all enterprising growers—together with the fact that it has regularly produced double the profits of Enchantress.

Most Profitable of all the Carnations

¶ Visitors at our establishment, and propagators who have given it a trial, speak of Dorothy Gordon Carnation in terms of the highest praise. ¶ We offer strong rooted cuttings of this splendid Carnation at the popular price of \$10.00 per 100; \$75.00 per 1000. Orders are being booked daily and will be filled in strict rotation. Don't delay, but get in your specifications NOW. Come to Wyncote and see it growing—it's a great sight. If you cannot do that, write us for full particulars.

JOSEPH HEACOCK CO., Disseminators; Wyncote, Pa.

JUDGING SEEDLING CARNATIONS.

Growers possessing seedling carnations which they would like to submit to the American Carnation Society for examination and judgment will find it to their interest to read carefully the following instructions to judges of seedling classes under which all awards at Pittsburgh will be made.

All judging in these classes shall be by comparison with existing varieties only.

Color (25 points.) The variety under judgment shall be compared with the best variety of its color extant, and be awarded points proportionate to its color value.

Size (20 points.) The variety shall be compared with the largest existing variety, regardless of color, and be awarded points proportionate to its size.

Stem (20 points.) The strength of the stem should be sufficient to carry the flower erect, and the length should be sufficient to display the flower to the best advantage. It is desirable that the stem be provided with numerous and broad leaflets, as giving better effect when the flowers are arranged in loose bunches. The variety should be compared with that existing variety which best combines these requirements.

Form (15 points.) Comparison shall be had with such existing varieties as shall show the best form. Defective form due to burst calyxes shall be considered under this head.

Substance (10 points.) Comparison shall be made with the existing varieties having the greatest substance.

Calyx (5 points.) The standard of comparison shall be that variety extant having a calyx which most securely and regularly supports the petals and from its general characteristics shows the least liability to burst.

Fragrance (5 points.) Comparison shall be had with the most fragrant variety extant.

Explanatory. In case any new variety under consideration shall be equal to, or exceed the standard in any of the foregoing comparisons, it shall be allowed the full number of points allowed to the attribute in question. If the variety under judgment shall show in any of its attributes a marked departure from existing types, and if in the opinion of the judges such departure from existing types shall give the variety unusual and exceptional merit value, the judges shall be authorized to award a certificate on the ground of "Novelty" although the variety in question may not, under the regular scale, score points enough to entitle it to such award. It is not contemplated that such action will be taken by the judges save in exceptional cases, and when taken their report shall specify the number of points scored under the regular scale, and shall give full explanation of the reason for such extraordinary award.

Carnation Bay State

\$3.00 PER HUNDRED

Having bought a large stock of this new variegated carnation last year, we can offer first class rooted cuttings of this variety at \$3.00 per hundred. Also rooted cuttings of Beacon, Enchantress, Rose Pink Enchantress, Victory, White Enchantress, White Perfection, Winona, Winsor, \$3.00 per hundred. Unrooted cuttings, \$2.00 per hundred. Reduced prices made on large orders. Send orders as early as possible.

SHEPARD'S CARNATION CO.

292 Fairmount Street,

LOWELL, MASS.

going comparisons, it shall be allowed the full number of points allowed to the attribute in question. If the variety under judgment shall show in any of its attributes a marked departure from existing types, and if in the opinion of the judges such departure from existing types shall give the variety unusual and exceptional merit value, the judges shall be authorized to award a certificate on the ground of "Novelty" although the variety in question may not, under the regular scale, score points enough to entitle it to such award. It is not contemplated that such action will be taken by the judges save in exceptional cases, and when taken their report shall specify the number of points scored under the regular

scale, and shall give full explanation of the reason for such extraordinary award.

All awards made by the judges shall be subject to the approval of the Society.

All certificate awards shall give the full number of points scored by each variety under each separate heading.

INCORPORATED.

Dallas, Tex.—Southland Seed Company, N. D. Garlington, C. H. Tinker, H. H. Holloway. Capital, \$20,000.

Centralia, Ill.—J. W. Ross Co., seed, florist and nursery. J. W. Ross, J. E. Karnes, J. J. Bundy. \$40,000.

ROEHRS, RUTHERFORD
N. J.
LORRAINE BEGONIAS

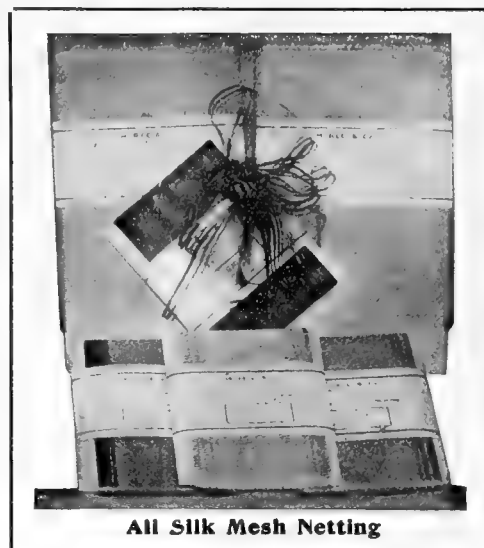
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Our ribbons, chiffons, and nettings are made exclusively for florists—most of them on our own special order and contract with the mills at home and abroad.

We have made color harmony, color matching, and color contrast a study—most important points in the artistic work of the florist.

We have also made qualities and prices to please the most critical and the most economical. Pages 61 to 67 of our new catalog (free to all in the trade enclosing their business card) describes a few of the thousands of grades and patterns carried in stock.

Samples and prices at your service for special work.



All Silk Mesh Netting

Have you a good supply of our new "RICHMOND" pattern?

M. RICE & CO. LEADING FLORISTS' SUPPLY HOUSE Of America **Phila.**
1220 RACE STREET

CHICAGO NOTES.

Park Flower Shows.

Mid-winter flower shows have been held at both Garfield and Lincoln Parks during the past two weeks. Manager Sells of the former, states that he feels repaid for the extra labor, but that he would be glad to see a much larger number of visitors at these special times. While the conservatories are always open to the public and there is always plenty to be seen, on these two weeks the houses were open and lighted every evening. At Lincoln Park the orchids were the special feature and the crowds of visitors were larger here as the park is more easily reached. Rudolph Schiele is in charge here and is a great lover of the orchids. Some of the best specimens are from the H. G. Selfridge collection.

Personal.

Mrs. Josephine Garland, mother of the well-known Garland Bros. of Des-plaines, Ill., is very ill at the home of her daughter, Mrs. Fred Wittbold, at Lakeview. Mrs. Percy Jones, also a daughter, is assisting in caring for her.

Miscellaneous.

Election of officers took place at the Chicago Florists' Club meeting Thursday evening, January 6.

The Fleischman Floral Co. has just installed a 30-horse power car for delivery service, fitted with shelves and heating apparatus.

The Rudolph Jahn Floral Co. is the name of a new firm at 294 Dearborn

street. They are successors to the Butler Floral Co., 293 Dearborn street, and Mr. Jahn is the former manager for the old company. The change took place the first of the year and the move was made to the opposite side of the street.

Geo. Walther is again in charge of his store on 63rd street. Mrs. Percy Jones and Henry Van Gelder took charge of the business of the late Percy Jones in the Flower Growers' Market in place of Geo. Walther on the 1st of January.

See obituary columns for notices of death of Martha F. Frauenfelder, Aug. H. Boseck and August Pierson.

CLUB AND SOCIETY NOTES.

The regular meeting of the Buffalo Florists' Club has been postponed to the first Tuesday in February, when there will be nomination of officers, and two papers read by members. All members are requested to be present.

J. K. M. L. Farquhar of Boston, was the lecturer before the Bar Harbor (Me.) Horticultural Society on Thursday evening, January 6. "Italian Gardening and Gardens" was the subject—one on which Mr. Farquhar is probably better equipped to talk than any other man in this country. The lecture was illustrated by numerous stereopticon pictures of great beauty and rarity.

A press despatch from San Fran-

cisco states that the trustees of the Carnegie Institute have decided to withdraw \$10,000 annually given by the organization to Luther Burbank, the plant wizard of Santa Rosa. The commercialism which it is alleged has been a feature of the experiments of Burbank is given as the cause.

Landscape Gardening



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An effective remedy indoors and outdoors.

Endorsed by eminent entomologists and other experts.

Can be applied as a spray, wash, or dipping solution.

Used at various strengths 1 part of Aphine to 15 to 40 parts water.

\$2.50 per gallon.

If your supply house cannot furnish you with Aphine write us for names of our nearest selling agents.

APHINE MANUFACTURING CO.

Madison, N. J.

ORCHIDS IN BLOOM ROEHRS, Rutherford, N. J.

FLORISTS SEIZE COAL.

There was a bit of a coal famine at Morrison a few days ago, and the greenhouse men were "up against" it. They did the reasonable thing under the circumstances and seized two cars of coal owned by the Chicago & Northwestern railroad. If they had been unable to get coal it would have meant very serious losses to them. Of course, it was not strictly according to Hoyle, but there seems to be an unwritten law that when there is a coal famine abroad in the land, any coal on track belongs to him who finds it and needs it the most. While the greenhouse men could be prosecuted, of course, nothing of the kind will be done. They will pay for the coal and that will be all that will become of the incident.—Burlington, Ia., Hawkeye.

West Hoboken, N. J.—Owing to the

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Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum scepterum.

LAGER & HURRELL, SUMMIT, N.J.

overheating of the boiler, the greenhouses of Oscar Boehler, on Summit avenue, were damaged by fire to the extent of about \$2,000 on Dec. 30.

To Clean Out

DUTCH HYACINTHS. A No. 1 Bulbs, Rose, Red, Dark Red, White Pure White, Blue, Blush White, Light Blue, Dark Blue, and Yellow; all single, \$1.50 per 10; \$10.00 per 100.

CALLA ETHIOPICA. Bulbs 1 inch Diameter, Fine Healthy Bulbs, \$2.00 per 100; \$15.00 per 1000.

300,000 Gladioli America Bulblets, \$5.00 per 100. Larger Lots Estimated.

Berrydale Experiment Gardens,

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Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

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THOMAS ROLAND, NAHANT, MASS.

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We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,

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Cannot be excelled for large size, purity of color and free flowering qualities.

	Tr. Pkt.	Oz.
Blue	\$0.30	\$1.25
Pink	.30	1.25
Scarlet	.30	1.25
Striped	.30	1.25
White	.30	1.25
Mixed	.30	1.00

IMPATIENS

	Tr. Pkt.	Oz.
Holstii	\$0.50	
Sultani	.30	

MOON FLOWER

Ipomaea Noctiflora per 1/4 lb.	\$1.50	\$0.50
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MAURANDYA

Barclayana Purple	.20	1.25
Mixed	.20	1.25

PYRETHRUM

Aureum	.10	.25
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SMILAX

Per 1/4 lb.	\$1.00	.10	.30
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PLUMOSUS NANUS

New Crop. Greenhouse Grown

100 Seeds	\$0.50
500 "	2.00
1000 "	3.50
5000 "	16.00
10000 "	30.00

ASPARAGUS SPRENGERI

100 Seeds	.15
1000 "	.75
5000 "	3.00

HENRY F. MICHELL CO., Philadelphia

UNIFORMITY OF VARIETAL CHARACTER IN GARDEN VEGETABLES.

Read by Dr. William W. Tracy, Bureau of Plant Industry, before the New Jersey State Horticultural Society, Trenton, N. J., Dec. 22, 1909.

One of the most important phases of modern scientific investigation is the work of securing plant variations especially adapted to different climatic and soil conditions and economic requirements. It is carried on along two quite distinct and seemingly conflicting lines.

Two Lines of Work.

First, the breaking up of existing natural forms through judicious crossing, the aim being to secure the greatest possible variations along lines of possible increased usefulness or adaptation to specific cultural and economic conditions and requirements, and, second, the breeding of stocks of seed which shall uniformly develop into plants of the exact varietal character desired.

The first line of work is the one which is most generally attractive, not only to those who engage in it, but to the general public. It was his work along this line that has made the name of Burbank famous the world over, and it is along this line that your own Professor Halsted has been at work in New Brunswick. His work there, however, has been very different from that of Burbank in California. The latter's aim seems to have been, by taking advantage of the marvelous variations which result from crossing and the very favorable climate of California, to secure startling so-called novelties like Spineless Cactus and Wonderberry, with little regard to the real practical value. Prof. Halsted, on the other hand, has modestly and conscientiously aimed to secure really useful variations which shall be of practical value to horticulturists of the State.

The second line of work, the breed-

ing of stocks of seed, every one of which shall develop into plants of the exact varietal character best suited to some specific set of conditions and uses is far less attractive to those who engage in it and generally is less appreciated by the public, but it is quite as important a factor in the real advancement of horticultural art and practice, and I ask your attention for a few minutes to consideration of some phases of this work.

Some Characteristics of Seeds.

First, I want to speak of some characteristics of seeds, not that you do not know of them, but because of the truth embodied in the old saying, "Familiarity breeds contempt," and in practice we come to ignore or fail to appreciate the value and beauty of common things. Few of us really see the beauty which is all about us every day, because our attention is so fixed on what we have to do that we have no time to see or to enjoy that which costs us nothing. The injunction to "consider the lilies of the field," is just as wise and necessary as it was 2000 years ago. A seed is essentially, simply a plant packed for transportation, and carries within itself the unalterable potentiality and limitation of development of the plant into which it may grow. We may, through control of conditions of climate, soil and culture, secure the more or less perfect development of these potentialities, but we cannot add to or change them. They are made up of a balanced sum of tendencies which the seed has inherited in different degrees of intensity from each of its ancestors back for an indefinite number of generations. In a few exceptional cases the varietal characters of the plant into which the seed will develop are indicated by distinguishing characteristics in the seed itself, but such indications are not readily discernible or to be depended upon and we can only know with certainty the varietal character of the seed through a knowledge, not only of the character of the producing plant, but that each and all of its ancestors back for a number of generations had been of exactly the same character.

We have spoken of the character of a seed, but seeds, particularly those of vegetables, are rarely used in this way, but collectively and for the purpose of growing a crop in which there is in most cases little opportunity for the selection or rejection of individuals, so that the use of seed, every plant of which will develop into a plant of the exact varietal character desired, becomes of the utmost importance.

Importance of Uniformity of Varietal Character.

There has already been developed in the case of most of our vegetables varieties adapted to different cultural conditions and market requirements, and the success and profit of the planter is very largely dependent upon a wise selection of the sort best adapted to his conditions and requirements, and the securing of seed which shall

(Continued on page 59)

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1000—\$11.00. Case of 2500—\$26.00

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42 Vesey St., New York.

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6 Tr. Pkts \$1.25	.25
Alyssum Zangen's Carpet Queen,	
dwarfest for pot use, 6 Tr. Pkts,	
\$1.25	\$5.00 .25
Phlox dwarf Fireball,	2.50 .35
" " Roseball,	2.00 .30
" " Snowball,	3.00 .40
" " Cecily, all shades mixed	2.50 .35
Salvia Zangen's Fireball, fine for	
pots, early,	4.00 .50
Salvia Zangen's King of Scarlets late	10.00 .50
Zurich, earliest dwarf	8.00 .50

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This popular flowering plant is coming into greater vogue than ever, not only as a pot-plant for house decoration, but also for cut-flower purposes. Our strains of Gloxinias are the true erect-flowering type, grown by a specialist in Europe.

	Doz.	100	1,000		Doz.	100	1,000
Blanch de Vera. White, rose bordered	\$0 60	\$4 25	\$40 00	Mont Blanc. Snow-white	\$0 60	\$4 25	\$40 00
Defiance. Glistening crimson	60	4 25	40 00	Prince Albert. Deep purple	60	4 25	40 00
Emperor William. Blue, white border	60	4 25	40 00	Princess Elizabeth. White, bordered blue ..	60	4 25	40 00
Etoile de Feu. Carmine-red	60	4 25	40 00	Princess Mathilde. White, with rose crown	60	4 25	40 00
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Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

The last week in the
BUFFALO old year ended satisfac-
torily to the trade; in
fact the week throughout was a busy
one for all. The calendar for this
week was well filled with social oc-
casions and the charity ball on Fri-
day consumed a good portion of vi-
olets, gardenias, orchids, lily of the
valley, etc. On Saturday the new ex-
ecutive (Mayor of Buffalo) was
greeted with grand tribute. The big
executive chamber of the city and
county hall in which the simple cere-
mony took place was a veritable gar-
den of roses. The floral greetings
from the friends of the new mayor
filled the room and presented a pic-
ture of splendor that reminded the
spectators of a great flower show.
Every desk in the Mayor's office was
crowded with Beauties, Richmonds,
Killarneys, carnations and blooming
plants and ferns, flowers being piled
against every wall and along the rail-
ing of the big room, there being

STEAMER DEPARTURES

Atlantic Transport.

Minnehaha, N. Y.-London...Jan. 15

French.

La Savoie, N. Y.-Havre.....Jan. 13

Hamburg-American.

Graf Waldersee, N. Y.-H'b'g.Jan. 15

North German Lloyd.

Pr. F'd'h Wilhelm, N.Y.-Br'n.Jan. 18

Red Star.

Kroonland, N. Y.-Antwerp....Jan. 12

White Star.

Adriatic, N. Y.-S'ampton....Jan. 12

Philadelphia, N. Y.-S'ampton.Jan. 15

Romantic, Boston-Med't'n....Jan. 15

many designs of baskets, horseshoes,
etc. The cut flower market was good
throughout the week, but high prices
were out of the question and an
abundance of material was had, of
good quality. Lily of the valley, peas,
violets and red stock generally was
much in demand and a good week's
business was had by all.

NEW FLOWER STORES.

Trenton, N. J.—C. A. Von Cleef, 10
W. State St.

Bethlehem, Pa.—John E. Haines,
Broad street.

Kankakee, Ill.—E. F. Ingham, Chritz-
man Building.

New York. George Hildenbrand,
3423 Broadway.

New York.—The Boston Store, Fifth
Ave., near 42d St.

Greenwich, Conn.—McMillan & Co.,
Carroll and Woolland Building.

Buffalo, N. Y.—Edgar Speiss, son of
Jno. Speiss, the well-known Peach
street florist, has opened a new store
at 211 E. Genesee street.

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our selection for delivery on steamships
or elsewhere receive special attention.

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"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

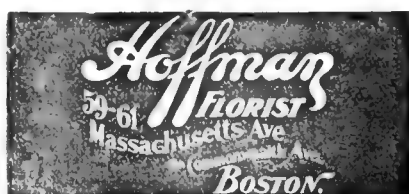
**Choice Flowers and
Floral Emblems**
FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



**LOUISVILLE, KY.
JACOB SCHULZ,**
550 South Fourth Ave.

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

CHAS. EBLE**Florist**

121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

MATTHEWS The FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

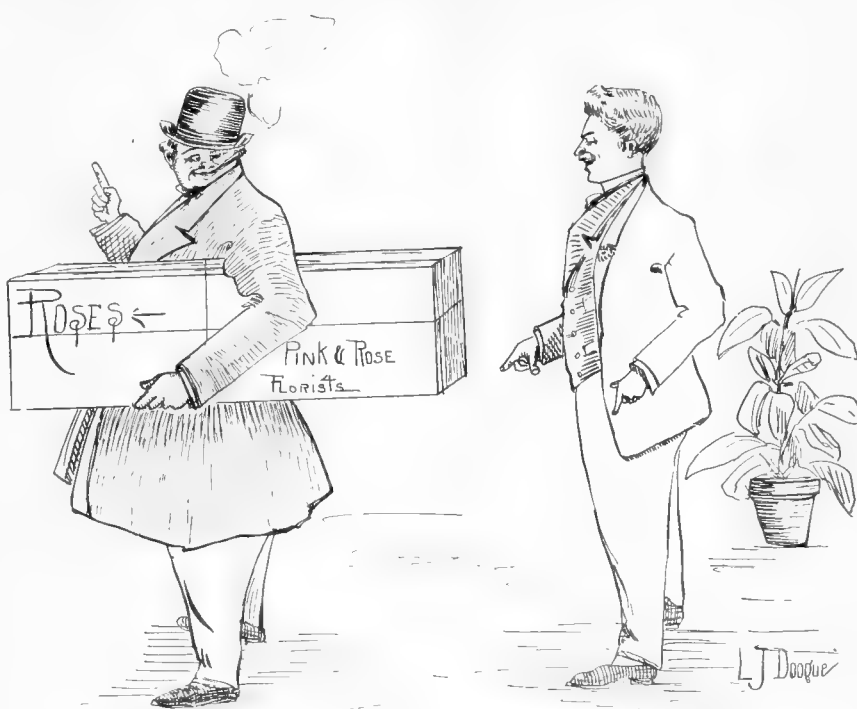
14 Bromfield Street, Boston.
Telephone, Main 3681.**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston**WELLESLEY COLLEGE**Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 5. Night 44-3.**SILKALINE.**

The Meyer Green Silkline, introduced to the trade twenty-five years ago, is the strongest and best ever offered for florists' use for mossing designs, tying smilax and general work. Each and every spool is full 2 oz. of thread. Meyer Green Silkline is for sale by all leading supply houses in the country who want to give their customers a good, honest, reliable green thread. There have been many inferior threads put on the market of late years. Silkline can be had in three sizes, F, FF or FFF; F or FF for mossing designs and tying bouquets; FF and FFF for stringing smilax and asparagus, also for heavy work where great strength is required. If you cannot obtain them of your jobber send to Meyer direct. See his advertisement.

A WELCOME CUSTOMER.



Reveller, homeward-bound, New Year's Morning—"Got to make good, old man, you know. Have I got enough?"

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMullin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Jullus A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Boston—Charles S. Champney Inc., Delta Building, Post Office Sq.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New Orleans, La.—Chas. Eble, 121 Baronne St.

Toronto, Can.—J. H. Dunlop, 98 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Tailby.

EASTER.

1910, on March 27.

1911, on April 16.

1912, on April 7.

THE BEST LETTERSFOR
FLORISTS'
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Galax and Leucothoe

Quality, Packing and Price All Right Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA N. C.**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted
Merchants Bank Building**28 STATE STREET, - BOSTON**
Telephone, Main 58.

We Wish to Report an Increased Supply and Stock of Good Quality in

DAISIES

White and Yellow

SWEET PEAS

Pink, White and Lavender

PANSIES

MIGNONETTE

GARDENIA

\$4.00 to \$5.00
Per Dozen

Business hours: 7. A. M. to 8 P. M.

LEO NIESSEN CO.

1209 Arch Street, - PHILADELPHIA, PA.

HOERBER BROS.

51 Wabash Ave. Long Distance Phone
CHICAGO ILL. Randolph 2758

Cut Flowers

ALWAYS GOOD, FRESH STOCK

Telegraph, Telephone or Bring in Your Orders

WE GROW OUR OWN FLOWERS.

Roses and Carnations Our Specialty

FANCY SINGLE

SINGLE YELLOW

VIOLETS

DAFFODILS

W. E. McKISSICK & BROS., Wholesale
Florists
1619-1621 Ransstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE

CUT FLOWERS

51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

POEHLMANN BROS. CO.

13-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw

in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Jan. 4		Jan. 3		Jan. 4		Jan. 6	
ROSES								
Am. Beauty, Fancy and Special...	30.00	to 40.00	35.00	to 40.00	40.00	to 50.00	30.00	to 40.00
" Extra.....	25.00	to 30.00	20.00	to 30.00	25.00	to 35.00	20.00	to 25.00
" No. 1.....	15.00	to 20.00	15.00	to 20.00	5.00	to 20.00	10.00	to 20.00
" Lower grades.....	5.00	to 10.00	10.00	to 15.00	.....	to	3.00	to 8.00
Bride, 'Maid, Chateauf, F. & S.....	6.00	to 10.00	6.00	to 10.00	8.00	to 10.00	8.00	to 12.00
" Lower grades.....	3.00	to 5.00	4.00	to 6.00	3.00	to 6.00	2.00	to 6.00
Killarney, Fan. & Sp.....	6.00	to 10.00	6.00	to 8.00	.....	to 10.00	15.00	to 16.00
" Lower grades.....	3.00	to 5.00	4.00	to 6.00	3.00	to 6.00	2.00	to 12.00
Richmond, Fancy & Special.....	6.00	to 10.00	8.00	to 12.00	6.00	to 8.00	10.00	to 16.00
" Lower grades.....	3.00	to 5.00	6.00	to 8.00	4.00	to 5.00	2.00	to 12.00
My Maryland.....	5.00	to 10.00	6.00	to 10.00	3.00	to 10.00	2.00	to 16.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
	2.00	to 3.00	2.00	to 3.00	1.00	to 2.00	1.50	to 3.00
MISCELLANEOUS								
Cattleyas.....	35.00	to 50.00	40.00	to 60.00	50.00	to 75.00	.....	to 50.00
Lilies.....	10.00	to 12.00	12.50	to 15.00	12.50	to 15.00	12.00	to 15.00
Lily of the Valley.....	3.00	to 5.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Violets.....	.75	to 1.50	1.00	to 1.50	.75	to 1.50	.50	to 1.00
Mignonette.....	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00	2.00	to 4.00
Sweet Peas.....	1.00	to 1.50	1.00	to 2.00	.50	to 1.00	.75	to 1.00
Roman Hy. Paper Whites.....	2.00	to 3.00	2.50	to 4.00	2.00	to 3.00	1.00	to 2.00
Trumpet Narcis.....	3.00	to 4.00	4.00	to	4.00	to	2.00	to 4.00
Gardenias.....	25.00	to 35.00	25.00	to 35.00	.....	to	30.00	to 40.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	15.00	to 20.00	15.00	to 20.00	12.00	to 16.00
Asparagus Plumosus, strings (100)	50.00	to 60.00	35.00	to 50.00	40.00	to 50.00	.....	to 50.00
" " & Spren. (100 bchs.)	20.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000.
Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100;
\$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest
quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in
pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

LONG DISTANCE PHONES, 2617-2618 MAIN.

Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.

Flower Market Reports

Weather conditions do not favor the production of good flowers just at present. Another drawback to high quality is the fact that crops manipulated to be at the full for Christmas are now on the ebb. Yet there can be very little fault found with the stock being supplied by growers for this market, except in the case of American Beauty roses, which are really in poor form and very few of them qualified to take their place among the specials. From now on until the middle of March the Beauty will no doubt be encumbered in the same way. Other roses are excellent but to realize top figures they must be double excellent. Quantity seems to be shortening up, generally, which is a promising condition. Violets are holding up pretty well but it will require a run of bright moderate weather with pleasant sleighing, etc., to hold them at the present figure. Trumpet daffodils are among the latest additions to the market list but they run very small and flimsy thus far. Carnations are grand as to quality and rather sluggish as to demand.

Social events of the past week made a Happy New Year day for the florists. Some of the wholesalers report business in excess of that of last year which was then considered good. Prices did not reach the height attained at Christmas before the slump, but remained steady at from one-half to two-thirds. Many of the retailers think business would have averaged better for the holidays had prices started out more moderate and kept more uniform. Growers are now cutting high grade stock but the demand is more for medium since the holidays; nothing is going to waste however unless it is very short Beauties which are of poor quality. Easter lilies are becoming more plentiful. Carnations are of good quality and the prices are keeping up. Richmonds and Killarneys are selling well and especially White Killarneys, on account of extra demand for funeral work. Double violets are not here in very great quantities for the cold weather continues to be a hindrance to long distance shipping. Singles also are not too plentiful and sweet peas are sadly in need of sunshine. At this writing a genuine blizzard is raging which will not add to the pleasure or profit of the florist.

A review of the last week's business of 1909 places this year in a much brighter light than its beginning promised. Ever since this season started Detroit florists received their full share of prosperity. While prices at New Year's were slightly lower business was very good and almost up to New Year 1909. We are



Out of the Ordinary Ribbons

To do the usual the ordinary way is not the P/M way or aim. To improve the old, discover the new and make our ribbons a little better always, is the quest worth while.

Every florist using P/M ribbons feels that he has the latest and choicest to be had and that his work has that exclusiveness and individuality about it not obtainable in using inferior makes.

A Few of our Leaders:—

Pattern Killarney			FOR THE KILLARNEY ROSE		
Width	No.			Price	
"	16	"	"	\$0.65	"
"	22	"	"	1.15	"
"	40	"	"	1.35	"
"	60	"	"	1.65	"
"	100	"	"	2.25	"
"	150	"	"	2.65	"
"	200	"	"	2.90	"
"		"	"	4.00	"

Pattern My Maryland			FOR THE MY MARYLAND ROSE		
Width	No.			Price	
"	7	"	"	\$0.65	"
"	16	"	"	1.15	"
"	22	"	"	1.35	"
"	40	"	"	1.65	"
"	60	"	"	2.25	"
"	100	"	"	2.65	"

Diamond Weave Lustrous Cattleya Ribbon

Made especially for the Cattleya. Remarkable for its brilliant lustre and peculiar diamond weave.

Width	Price	Width	Price
No. 60	\$2.00	No. 200	\$2.75

Faillentine Chameleon PATTERN "SUPREME"

The latest novelty for corsage bouquets, remarkable for its chameleon like shadings, producing a very rich and beautiful effect.

We offer the following colors:—

	Width	Price
1. Violet shaded with green	No. 7	.65
2. Green shaded with violet		
3. Light cattleya shaded	No. 8	.85
4. Dark cattleya shaded		

This pattern is one of our leaders; it is a beautiful heavy, lustrous taffeta, and is made in special shades for the American Beauty and Richmond Roses.

Other shades in the same Pattern are:—
Foliage Green, Nile, Violet shaded with Green, Green shaded with Purple, Pink shaded with White, Cattleya, and Green shaded combination for Croton Foliage etc.

No. 80. Price \$3.00.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Jan. 4		Jan. 3		Jan. 4		Jan. 4	
ROSES								
Am. Beauty, Fan. and Sp.	40.00	to 60.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
" Extra	20.00	to 40.00	30.00	to 40.00	25.00	to 35.00	20.00	to 30.00
" No. 1.	8.00	to 15.00	10.00	to 30.00	15.00	to 20.00	18.50	to 15.00
" Lower grades.	6.00	to 8.00	6.00	to 15.00	6.00	to 8.00	6.00	to 10.00
Bride, "Mald. Chatenay, F. & S.	6.00	to 10.00	8.00	to 10.00	15.00	to 20.00	10.00	to 12.00
" Low. gr.	3.00	to 5.00	4.00	to 8.00	5.00	to 10.00	6.00	to 8.00
Killarney, Fan. & Sp.	6.00	to 10.00	8.00	to 10.00	15.00	to 20.00	12.00	to 15.00
" Lower grades.	3.00	to 5.00	4.00	to 8.00	5.00	to 10.00	6.00	to 10.00
Richmond, Fancy & Special.	6.00	to 10.00	8.00	to 10.00	15.00	to 20.00	15.00	to 20.00
" Lower grades.	3.00	to 5.00	4.00	to 8.00	6.00	to 10.00	6.00	to 12.50
My Maryland.	.....	to	4.00	to 10.00	10.00	to 20.00	6.00	to 15.00
CARNATIONS, Novelties and Fancy								
" Ordinary	.....	to 4.00	3.00	to 4.00	4.00	to 5.00	3.00	to 4.00
" " " "	.....	to 3.00	2.00	to 3.00	2.00	to 4.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas	.....	to	50.00	to 75.00	.....	to .....	.....	to 75.00
Lilies	12.00	to 15.00	12.50	to 15.00	12.50	to 15.00	.....	to 15.00
Lily of the Valley	4.00	to	3.00	to 4.00	4.00	to 5.00	2.00	to 4.00
Violets	.....	to 1.00	.75	to 1.50	1.00	to 1.50	1.00	to 2.00
Mignonette	.....	to	10.00	to 20.00	3.00	to 4.00	3.00	to 6.00
Sweet Peas	.....	to 1.50	1.00	to 1.50	.75	to 1.00	.50	to 1.50
Roman Hy. Paper Whites	1.50	to 3.00	3.00	to 4.00	2.50	to 3.00	1.00	to 4.00
Trumpet Narciss.	4.00	to	4.00	to	4.00	to	4.00	to
Gardenias.	.....	to	50.00	to .....	.....	to .....	.....	to
Adiantum	.....	to 1.00	1.00	to 1.50	.50	to 1.50	.....	to 1.50
Smilax	12.00	to 15.00	15.00	to 20.00	15.00	to	15.00	to 20.00
Asparagus Plumosus, strings (100)	.....	to 50.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00
" "								

in the midst of a really very prosperous season and with the growers doing their best in producing quality stock and the retailers holding up

prices everybody will benefit and the mutual interests of growers and retailers will be fully guarded.

(Reports continued on page 52)

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
 for quotations. Correspondence with
 shippers of first-class stock invited.
 55 West 28th Street, New York
 Telephones 4626-4627 Madison Square

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Wholesale Florist

55 WEST 28th ST.
 Tel. 1462 Madison Square New York
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B. S. SLINN, JR.
VIOLETS

Selling Agent for the Largest and Best
 Growers in the Hudson River District.
 55 and 57 West 26th St., New York City.

FRANK MILLANG

Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.

Greater New York
Florists' Association,
 Inc.

Now Open for Cut Flower Consignments
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 Geo. W. Crawback Telephone Connection
 Manager 3642-43 Main

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 Telephone No. 756 New York
 Madison Square

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WHOLESALE FLORISTS
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 3861

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 122 West 28th St., New York
Florists' Supplies

We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Silverware Decorative Greens and Florists' Regalia

JOHN I. RAYNOR

Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**
 A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices
 TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in
CHOICE CUT FLOWERS
 39 West 28th Street, New York
 Telephone: 3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
 GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 769 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER 55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
 till 10 a. m. **CUT FLOWERS**
 Tel. 5243 and 2921 Madison Sq. Res., 345 J., Newtown.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Jan. 1 1910		First Half of Week beginning Jan. 3 1910	
American Beauty, Fancy and Special.....	30.00	to 50.00	25.00	to 40.00
" " Extra.....	20.00	to 25.00	15.00	to 20.00
" " No. 1.....	12.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	8.00	to 15.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 5.00	1.00	to 5.00
Killarney, Fancy and Special.....	8.00	to 15.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 5.00	1.00	to 5.00
Richmond, Fancy and Special.....	8.00	to 20.00	8.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	1.00	to 6.00
Ply Maryland.....	2.00	to 15.00	1.00	to 15.00
Carnations, Fancy and Novelties.....	4.00	to 6.00	3.00	to 6.00
" Ordinary.....	1.50	to 3.00	1.50	to 2.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
 PHONES 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
 FLOWER MARKET SECTION

CHARLES MILLANG

Wholesale Florist
 55 & 57 W. 26 St., NEW YORK
 Telephone 7062 Madison

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
 Southern Smilax, Galax and Leucothoe.
 " Preserved and Fresh cut
 Cycas and Palmetto.
 Tel. 1519 Mad. Sq. 113 W. 28 St., New York.
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WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

Durand & Marohn

MANUFACTURERS OF
All Kinds of Wire Work
 Florists' Wire Designs a Specialty
 24 Beaver St., ALBANY, N. Y.

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.


RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.
CONSIGNMENTS SOLICITED.

MICHIGAN CUT FLOWER
EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
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Now ready in limited quantity.
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EVERGREEN, ALABAMA.



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**BOSTON
FLOWERS**
N. F. MCCARTHY & CO.,
84 Hawley St.
**BOSTON'S BEST
HOUSE**

GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.
Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq. **J. K. ALLEN** 106 W. 28th St. New York

Flower Market Reports.
(Continued from page 51)

All reports Indianapolis cate a record-breaking Christmas trade. The weather was favorable up to Christmas eve when the heavy snow storm badly interfered with traffic. Stock of all kinds was plentiful and growers as well as retailers were well satisfied with results. The demand for flowering plants seems to be increasing every year. Poinsettias, azaleas, cyclamens and begonias seem to be the favorites and a clean-up is reported by the majority of the retailers. There seems to have been a noticeable falling off this year in the cut flower trade owing to stiff prices asked. Violets, lily of the valley and orchids for corsages had the heaviest call in years. Plant baskets maintained their popularity and were more or less substituted for American Beauty roses and other high priced stock. Red immortelle wreaths, boxwood, holly and laurel festooning were handled in the usual quantities.

New Year's business NEW YORK was not marked by any unusual features, Friday's shipment, as a rule, were those of an ordinary week end in size and growers showed wisdom by not reserving their stock for this holiday, as the buyers' requirements were moderate. No advance in prices above those prevailing during the week, was possible. Beauties and Killarneys were in good supply. Richmonds and Marylands not quite so numerous and Bridesmaids and Brides were not conspicuous in quantity. Carnations sold very well at moderate figures and none were left by Sunday. Violets suffered a set back New Year's Eve and clearances were effected only with the aid of the street men. Lily of the valley did not have much of a move to it, neither did sweet peas. As a whole the market was tame and if it were not that supplies were ordinary the

NEW YORK QUOTATIONS PER 100. To Dealers Only

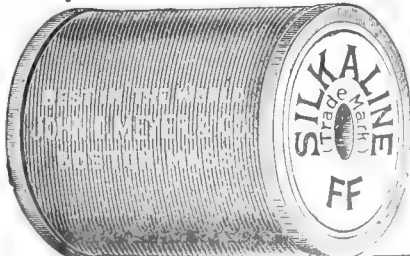
MISCELLANEOUS	Last Half of Week ending Jan. 1 1910		First Half of Week beginning Jan. 3 1910	
Cattleyas.....	40.00	to 60.00	40.00	to 60.00
Lilies.....	8.00	to 15.00	10.00	to 15.00
Lily of the Valley.....	1.00	to 4.00	1.00	to 4.00
Narcis. Paper White.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.75	to 1.00	.50	to .75
Hyacinth.....	2.00	to 8.00	2.00	to 8.00
Sweet Peas (per 100 bchs).....	5.00	to 12.00	4.00	to 12.00
Gardenias.....	10.00	to 30.00	10.00	to 35.00
Adiantum.....	50	to 1.25	75	to 1.25
Sanilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 25.00	20.00	to 25.00
" & Spreu. (100 bchs).....	15.00	to 30.00	20.00	to 30.00

result would have been different. The first half of the present week is dull. Stock is coming in—particularly carnations and pink roses,—as if crops were on. Quotations are unsteady on all kinds of flowers. Roman hyacinths and paper whites are plentiful and getting cheaper. Tulips and daffodils are in the market though it doesn't look as if there was much room for them with the limited demand now prevailing. Cypripediums move slowly.

Transient trade PHILADELPHIA was almost at a standstill New Year's week owing to the storm blockade. If it had not been for many ad-

vance orders booked weeks ago for social affairs things would have been very bad, indeed. On the whole, the total overturn was pretty good—all things considered—but, of course, not as good as last year by a long way. There was an abundance of good flowers in roses, carnations, and all the leading staples. Orchids and lily of the valley improved in demand mainly on account of the large amount of mortuary work. Violets shortened up and moved fairly well.

Greenville, Ind.—Dille & Konzelmann is the name of a new flower growing concern which has started in this place.



MEYER GREEN SILK LINE

FULL WEIGHT

Guaranteed 2 oz. to the spool, 8 spools per lb.—or 10 oz. actual weight of Thread per lb. See that you get the

MEYER GREEN SILK LINE
and take no other.

Price, - \$1.25 per lb.

JOHN C. MEYER & CO.
LOWELL, MASS.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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ASPARAGUS

Asparagus plumosus from 2½ inch pots,
\$2.50 per 100; \$22.50 per 1000. Cash with
order, please. Floral Hill Gardens, G. F.
Neipp, Prop., Chatham, N. J.

A few hundred *Asparagus Sprengeri* out
of 2 in. pots, fine plants, 2c. each. H. J.
Blanchard, Ashburnham, Mass.

Asparagus plumosus, 2½-in., \$2.50 per
100; *Sprengeri* seedlings, 1c., \$9.00 per 1000;
Sprengeri, 2½-in., 2½c.; 3-in., 5c.; 4-in., 10c.
cash. W. E. Trimble Greenhouse Co.,
Princeton, Ill.

AZALEAS

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St.,
Philadelphia, Pa.

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Henry A. Dreer, Philadelphia, Pa.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.

Bamboo Sticks, Colored Green.
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BAY TREES.

Bobbink & Atkins, Rutherford, N. J.
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2000 Bay and Box Trees in all sizes,
Pyramid and Standards. Write for list.
Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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M. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

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J. C. Schmidt, Bristol, Pa.

Edward Wallis, Atco, N. J.

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BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1133
Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Iris, Peony and Philox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford,
Mass.

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Bobbink & Atkins, Rutherford, N. J.
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BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1133 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Brock & Sons, 47-54 N. Market St.,
Boston.

Dutch and French Bulbs.

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J. M. Thorburn & Co., 33 Barclay St.,
New York.

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Rickards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.

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T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

Bermuda Lillies

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Yokohama Nursery Co., 31 Barclay St.,
New York.

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Ralph M. Ward & Co., 12 W. Broadway,
New York.

French Bulbs, Horseshoe Brand.

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Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.

French and Dutch Bulbs.

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H. E. Flske Seed Co., Boston, Mass.

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Berrydale Experiment Gardens,
Holland, Mich.

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E. S. Miller, Wading River, N. Y.

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CANNAS

500,000 Cannas, 100 leading kinds, home
grown, \$8.00 per 1000 and more. Price
list free. Shellroad Green houses, Grange,
Baltimore, Md.

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.

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Chicago Carnation Co., Joliet, Ill.

Saugamo and Conquest.

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Field Grown Carnations.

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Baur & Smith, Indianapolis, Ind.

Carnation Shasta.

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A. C. Brown, Springfield, Ill.

Carnation Saugamo.

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Chas. Knopf Floral Co., Richmond, Ind., and
S. J. Reuter & Son, Inc., Westerly, R. I.

Carnation Admiration.

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C. S. Ford, West Park, Philadelphia, Pa.
New Carnation Constant.

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Chas. H. Totty, Madison, N. J.

Rooted Cuttings.

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Skidelsky & Irwin Co., Philadelphia, Pa.
Rooted Cuttings.

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Cottage Gardens Co., Queens, L. I., New
York.

Carnations Alma Ward and Mrs. C. W.
Ward.

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CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galesburg,
Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.

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Elmer D. Smith & Co., Adrian, Mich.

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Chrysanthemum Stock Plants. Last call.
Golden Glow, Pacific Supreme, White Cloud,
Oct. Frost, Polly Rose, Early Snow, Ivory,
Byron, White Bonafon, Tim Eaton, Nonin,
Merry Christmas, Duckham, Enguehard,
Monrovia, Georgiana Pitcher, Bonafon,
Baby, 3c., \$2.50 per 100. Baby Margaret,
20c., \$1.75 per doz. Stafford Floral Co.,
Stafford Springs, Conn.

Herrington's book on the Chrysanthe-
mum mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

COLEUS

Coleus, best varieties, strong rooted cut-
tings, 50c. per 100; \$4.50 per 1000. Thomp-
son & Sons, Sta. D., R. R. 1, Milwaukee,
Wis.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Mil-
waukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for
\$15.00 or more received during October we
will pay the freight east of the Mississippi.
All orders west of the river, we pay to the
river. Samples of stock and prices on re-
quest. Climax Manufacturing Co., Castor-
land, N. Y. Dept. H.

CYCLAMEN

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DAHLIAS

Peacock Dahlia Farms, Williamstown Junc-
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Herbert, Atco, N. J.

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J. L. Moore, Northboro, Mass.

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If you are looking for up-to-date Dahlias
send for my 1910 trade prices on field
clumps. J. K. Alexander, The Eastern
Dahlia King, E. Bridgewater, Mass.

DAHLIA—Big stock, big clumps, best
sorts. C. Betscher, Canal Dover, O.

DAISIES

J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries,
Roslindale, Mass.

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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson, Tarrytown-on-Hudson, N. Y.
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Anderson's ferns for in and outdoors.
Largest commercial collection in the country. Ask for descriptive catalogue. **J. F. Anderson, Fern Specialist, Short Hills, N. J.**

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

The Caledonia Mari Co., Caledonia, N. Y.
Agricultural Lime.

FLORISTS' LETTERS.

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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.
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FLOWER POTS

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cnt Flower Co., 38 and 40 Broad way, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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J. L. Banner, Montezuma, N. C.
Galax and Leucothoe.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornblirer, 6417 Carnegie Ave., Cleveland, O.

GLADIOLI

E. S. Miller, Wading River, N. Y.
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J. L. Moore, Northboro, Mass.
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GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

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Standard Plate Glass Co., 28-30 Sudbury St., Boston.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. John-son Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GOLD FISH

Price list now ready. Extra large and fine crop of fish this season. No fungus; no lice. Our little book, "The Gold Fish Dealer's Guide," tells you how to handle fish, prevent and cure diseases; free to customers. Glen Mary Fish Farm, Chas. Pomert, Prop., Amelia, O. Largest gold fish hatchery in the world.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.

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Pecky Cypress for Benches.

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F. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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GREENHOUSE PROPERTY TO LEASE

J. P. Eustis, Boston, Mass.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America. J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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INSECTICIDES.

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stump & Walter Co., 50 Barclay St.,
New York.
Kilindad Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
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Tobacco Powder.
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IRIS

E. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
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Joe. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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Bobbink & Atkins, Rutherford, N. J.
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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.
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LILACS

Henry A. Dreer, Philadelphia, Pa.
Pot Grown.
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LILIES

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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede
20, Copenhagen, Denmark.
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Wm. Elliott & Sons, New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

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P. Ouwkerk, 218 Jane St., Weehawken
Heights, N. J.
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Bobbink & Atkins, Rutherford, N. J.
Boxwood and Evergreens.
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Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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NURSERY STOCK—Continued

German Nurseries and Seed House,
Beatrice, Neb.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordones Bros., Madison, N. J., Box 106.
C. Lablata: D. Bigibum Arrived.
For page see List of Advertisers.

Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
lams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.
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John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

PATENTS

Siggers & Siggers, Washington, D. C.
For page see List of Advertisers.

PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
For page see List of Advertisers.

PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point,
Neb.

PHOENIX ROEBELENI

Sander & Sons, New York, N. Y.
New Seed.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
For page see List of Advertisers.

PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
26th St., Chicago, Ill.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Buxton Doane Co., 18 Midway St., Boston.
Boston.
For page see List of Advertisers.

Metropolitan Material Co., 1302-1408 Met-
ropolitan Ave., Brooklyn, N. Y.
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT PRESERVATIVES

Keep your ferns six months without cold
storage; flowers, 20 to 30 days, at practi-
cally no cost. Formula and complete in-
structions on receipt of \$1.00. Barton, 110
Portsea St., New Haven, Conn.

PLANT STAKES

Seale's Tieless Plant Stakes and Tret-
tices. H. D. Seale & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 309-78
So. Erie St., Toledo, O.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.

POTASH

German Kali Works, New York, N. Y.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

F. Oeschlin, 2572 W. Adams St., Chicago, Ill.
Primroses Obconica and Chinenia.
For page see List of Advertisers.

Primula chinensis, 9 colors mixed, 3
inch. 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

PRIVET**CALIFORNIA PRIVET.**

500,000 3-yr. plants with 12 to 20
branches, have been transplanted once and
cut back 2 yr., \$4.00 per 100; \$37.50 per
1000, packed. Will make a good, close
hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10
to 12 branches, cut back 1 yr., \$3.00 per
100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched,
\$2.00 per 100; \$17.50 per 1000, packed.
500 to 1000 rate. Cash with order.
John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

Henry A. Dreer, Philadelphia, Pa.
Rhododendrons for Forcing.
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John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.
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P. Ouwkerk, Hoboken, N. J.
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RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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ROSES

Robert Craig Co., Market and 46th Sts.
Philadelphia, Pa.
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F. Oawerk, P. O. No. 1, Hoboken, N. J.
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Dingee & Conard Co., West Grove, Pa.
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Peschmann Bros. Co., Morton Grove, Ill.
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W. & T. Smith Co., Geneva, N. Y.
American Crown Roses.
For page see List of Advertisers.

John Cook, Baltimore, Md.
New Seedling Rose "Radiance."
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
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Wood Bros., Fishkill, N. Y.

Arthur T. Boddington, New York, N. Y.
Hardy Roses.

Bobbink & Atkins, Rutherford, N. J.
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Field-grown roses, 1 to 3 ft., 100 varieties,
\$8.00 per 100. Marechal Niel, Marie
Henrietta, 4 feet high, 18c. each. Wm. K.
Nelson, Augusta, Ga.

The Rose, by H. B. Ellwanger, mailed
for \$1.50 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langsgaardsgade 20, Copenhagen, Denmark.
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C. C. Morse & Co., 48-56 Jackson St., San
Francisco, Cal.
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SEEDS

T. J. Gray Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, 342 W. 14th St.,
New York.
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Richards Bros., 37 E. 19th St., New York.
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R. & J. Farquhar & Co., 6-7 So. Market St.,
Boston.
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H. F. Mitchell Co., 1018 Market St., Phila.
New Crop Flower Seeds.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 So. Market
St., Boston.
True Irish Shamrock Seed.
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E. F. Winterson Co., Chicago.
Seeds for Plantmen, Nurserymen, Seeds-
men.
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A. C. Zvolanek, Round Brook, N. J.
Winter Flowering Sweet Peas.
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C. C. Morse & Co., 48-56 Jackson St., San
Francisco, Cal.

O. V. Zangen, Hoboken, N. J.
Giant Cyclamen Seed.
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H. E. Fliske Seed Co., Boston.
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Sutton & Sons, Reading, England.
Flower and Vegetable Seeds.
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SEEDS — Continued

Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemums and Aster Seed.
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPIREA

Joseph Breck & Sons, Corp., Boston.
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SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.

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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.
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STRAWBERRY PLANTS

The best standard and new varieties.
Catalogue free. Lake View Nursery, Poy
Sippl, Wis.

SWEET PEAS

A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.
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VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Foley Mfg. Co., Western Ave., between
25th & 26th Sts., Chicago.

The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1125
Broadway, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Beed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
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H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
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Welch Bros., 226 Devonshire St., Boston.
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Buffalo, N. Y.

William F. Kastling Co., 383-37 Elliott St.,
Buffalo, N. Y.
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Chicago

Chas. W. McKeller, 51 Wabash Ave.,
Chicago.
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WHOLESALE FLORISTS—**Chicago — Continued**

Peter Reinberg, 51 Wabash Ave., Chicago.
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E. F. Winterson Co., 45-49 Wabash Ave.,
Chicago.
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Peschmann Bros. Co., Morton Grove, Ill.
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Hoerber Bros., Atlas Block, 51 Wabash Ave.,
Chicago.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cin-
cinnati, Ohio.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
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Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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New York

Ford Bros., 48 W. 28th St., New York.
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H. E. Broment, 57 W. 28th St., New York.
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Alex. J. Guttman, 34 W. 28th St., New
York.
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E. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 55 W. 28th St., New York.
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James McManus, 42 W. 28th St., New York.
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John I. Kaynor, 49 W. 28th St., New York.
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W. F. Sheridan, 39 W. 28th St., New York.
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Moore, Hentz & Nash, 55 and 57 W. 28th
St., New York.
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
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Millang Bros., 41 W. 28th St., New York.
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John Young, 51 W. 28th St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
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Frank Millang, 55-57 W. 26th St., New
York.

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Philip F. Kessler, 55 & 57 W. 26th St.,
New York.

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A. L. Young & Co., 54 W. 28th St., N. Y.

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J. K. Allen, 103 W. 28th St., New York.

For page see List of Advertisers.
Charles Millang, 55 and 57 West 26th St.,
New York.

For page see List of Advertisers.
B. S. Blinn, Jr., 55-57 W. 26th St., New
York.

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Philadelphia

W. E. McKissick & Bros., 1619-1621 Bas-
stead St., Philadelphia, Pa.
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Leo Nielsen Co., 1209 Arch St., Philadel-
phia, Pa.
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The S. S. Pennock-Meehan Co., 1608-16
Ludlow St., Philadelphia, Pa.
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In writing to Advertisers kindly mention Horticulture

UNIFORMITY OF VARIETAL CHARACTER IN GARDEN VEGETABLES.

(Continued from page 46)

develop into plants which shall be as uniform as possible in habit, season of maturity and character of market product. The importance as a factor upon which profit is dependent of absolute uniformity of varietal character in all the plants of any particular culture is far greater than is generally recognized. We think we do not exaggerate in the least when we say that in the case of most cultures of vegetables, if all or even 90 per cent. of the plants were as nearly alike the ideal plant of the sort as are the best 20 per cent. of them, the actual profit of the culture would be increased 25 per cent. and often a great deal more. Uniformity in habit of plant and character of market products lessens the cost of cultivation as it permits of the different cultural operations being done at the exact time when they would be most beneficial to all of the plants. Lessens the cost of harvesting and marketing the crop for similar reasons. Increases the value of the product. In most of our markets uniformity in the contents of a packet is a most important factor in determining the relative price it will command. The addition of superior specimens, if they be of different varietal character, will lessen rather than add to sale value of a package.

I have often asked experienced cultivators what would it be worth to you if every plant in the field was like these, pointing to some five or six plants which were much alike and very good, though by no means the best that could be found, and have been answered, "If I could grow a field of cabbage, or a house of lettuce every plant just like those I would soon be rich enough to quit work," or words to that effect. Sometimes differences in the real value of plants in the same culture are due to unavoidable or unintended differences in the sowing of the seed, or in the handling of the plants; often we have seen differences in the same culture sufficient to result in profit or loss, resulting from the sowing the seed just before or after a slight shower, though on the same day. Again, one can often see all through the season a difference in the rows of plants handled by different workmen. I have known of at least one case where the mere altering of the "hang" of the cultivator used in the last cultivation of a field of beans resulted in a loss of over 20 per cent. in the bulk of the crop, and even a greater difference in the appearance of the sample.

When we consider the difficulty of finding two plants, or even two flowers of the same plant which are exactly alike even in external form, we must recognize the probability that plants in which the active and potential variant tendencies exist in exactly the same proportionate strength are even more rare.

No two seedling plants can ever be precisely alike; they are very rarely even as much alike as are plants propagated by division, but it is quite possible and practical to grow seed every grain of which will develop into plants more alike than is the case

with most of the vegetable seed now used.

Conditions Which Cause Variation.

Every seed carries within itself a multitude of potential variations inherited in different degrees of intensity from each of its ancestors back for an indefinite number of generations; some of these variant tendencies though quite as distinct as those which distinguish varieties may lie dormant without any apparent influence over the external form of the plant, yet they do not cease to exist and through the influence of the pollen of some other plant, changed external conditions, or other cause, may become active and dominant in some individual seed, and bring about in it a new combination and balance of influences resulting in a radical change of varietal character. Each generation of the same combinations of variant tendencies lessens the probability of a new combination and consequent external change.

The general proposition that a seed will develop into a plant like the one that produced it is so commonly accepted that we have such sayings as, "like produce like," etc., and with most gardeners the sight of a plant of special merit creates a desire for some of its seed; there are, however, many conditions which may result in a seed developing into a plant very different from that which produced it. First, there is always the possibility, even with plants whose flowers are generally self-fertile, that any particular seed may have developed as the result of cross fertilization and in this way inherit quite different variant tendencies, or in very different proportionate power from those of the plant upon which it grew. This may be true even if the staminate plant seems practically identical with the seed producing one, for in it there may be a different balance of variant influence having its origin in differences in earlier generations. There is also the possibility that the producing plant may owe its superiority to the cross fertilization of quite distinct plants, but does not itself show any evidences of such crossing though they may appear in subsequent generations.

Some Facts Concerning Inherited Tendencies.

The balance between the multitude of variant tendencies inherited from different ancestors, and the consequent character of the plant itself is very seldom fully established, often it is not even hinted at, in the first generation after the combination; it usually requires a number of generations before this balance is sufficiently settled to reveal the full result of the crossing, as the slightest difference in the relative strength of any single variant may, and often does so affect the balance of influence as to result in a material change in the character of the plant and of the seed it will produce. We can then only predict with certainty the exact character of the plant which any seed will develop into in proportion as we know not only that the seed itself has not been influenced by pollen from plants different from the one that produced it, but that all of the ancestors of the producing plant back for as many generations as possible have been of pre-

cisely the same combination and balance of variant tendencies. We think the fact that the effect of an accidental or intended crossing often, we may say, generally, does not show at least in its full force until the second or third generation is of great importance, but it is often overlooked; and we imagine we have a pure plant of a distinct type when in reality it is a cross, and certain to show its mixed origin in later generations.

Some Causes of Disappointment.

In common practice men save seed of some especially pleasing and perfect plant with little regard to the surrounding ones, if they are only of the same sort; or to the character of the ancestors of the plant they admire and when they sow this seed by itself and get plants like the parent plant they are delighted, and think they have a pure strain, only to be disappointed the next year. This is the history of many a seedsman's novelty which was introduced in good faith, and with high hopes that at last he had a really superior stock, for the original plant was almost perfect; its seed was carefully saved and planted where there was no probability of mixing; the plants thus produced were uniformly good, but alas, in the next crop of seed some tendency which had remained dormant up to this time comes into power in some of the seeds though not in others, and the stock has lost its seeming uniformity and value.

The multiplication of varietal names used by seedsmen is a recognition, though perhaps an unconscious one, of the value of uniformity in varietal character, for in many, many cases a new name is given a certain stock of seed, not because it is distinctly different in varietal character from some older sort of proven value, but simply because a larger proportion of the seed will develop into fairly representative plants of the sort. Many stocks of seed sold are so variable that it is difficult to recognize the exact characteristics the name stands for. In practice it not infrequently happens that seed supposed to be of a new variety is sent to two different growers to be planted for the seed crop, and it is so variable that one grower supposes that one plant is the ideal while the other thinks that a very different one was what was wanted, and they each aim to develop a stock which differs from that of the other. The two lots come in to the seedsman, are mixed and sold, and so the variation is increased.

(To be continued)

PHILADELPHIA NOTES.

The Christmas snow storm caught the Conard & Jones Co. unawares as to coal. By herculean efforts enough to keep going was wallowed through the snow. A small cave-in of a section of the greenhouse plant was an incident.

The newspapers of the country have circulated everywhere the news of the trying family affliction and bitter distress which has come to that honored representative of the seed trade, Robert Buist of Philadelphia. We extend to him our sincere sympathy in this hour of anxiety and humiliation.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

CATALOGUES RECEIVED.

Forest Nursery and Seed Co., McMinnville, Tenn.—Wholesale Trade List for Spring, 1910.

Sluis & Groot, Enkhuizen, Holland.—General Wholesale Price List of Vegetable, Flower and Agricultural Seeds. Issued under date of December 15, 1909.

W. E. Marshall & Co., New York.—Seed Catalogue 1910. A neat and attractive publication showing painstaking work in its preparation. Covers in grey green tint show portraits of Improved Branching Aster and a Bean of high degree.

J. Bolgiano & Son, Baltimore, Md.—"Bolgiano's" for 1910, is just out in brilliant dress and full of good suggestions for the garden, field and lawn. I. X. L. Tomato has the right of way on the title page. This house has been established 92 years.

Skidelsky & Irwin Co., Philadelphia, Pa.—1910 Wholesale List of Bulbs, Plants, Seeds and other Florists' Specialties. A business-like document showing throughout the mark of the man who understands the florist trade and its needs to the limit. If there is anything you want look for in this catalogue.

Charles H. Totty, Madison, N. J.—Chrysanthemums and Other Plants for 1910. No introduction is needed for anything that this noted chrysanthemum expert puts forth. Suffice it to say that the publication is up to Totty's best standard and the chrysanthemums that the progressive grower must have are listed in its pages.

Henry Mette, Quedlinburg, Germany.—Trade Catalogue 1901-1910 of Vegetable, Flower and Farm Seeds. As usual, this eminent house has sent out a very interesting and comprehensive catalogue. The list of novelties is quite large. Covers in colors, one showing over one hundred varieties of shelled beans, in natural sizes, colors and markings.

Conard & Jones Co., West Grove, Pa.—New Floral Guide for 1910. We have reviewed this excellent publication year after year, noticing always that it grows better and better each time. The plate of rose Wm. R. Smith which adorns the title page this year is a gem. Over one-third of the pages are devoted to roses in all classes; cannas and garden flowers in full variety make up the balance of this very creditable catalogue.

A. T. Boddington, New York.—Boddington's Garden Guide, Spring 1910. This is always one of the handsomest catalogues of the year and the one just received is fully the peer of its predecessors. H. A. Bunyard's artistic talent is finely displayed in the cover subject—*Dimorphotheca aurantiaca*, in orange, green and gold. The illustrations throughout are of generous size and well placed. Sweet peas are given

a prominent place. A short history of the sweet pea has been contributed by the Rev. W. T. Hutchins.

Holmes' 1910 Handbook of Seeds—Holmes' Delicious Sweet Corn in natural colors on front cover, very artistically brought out; Holmes' Prolific Green Lima similarly treated on back cover. A compact manual, well written and well printed. The illustrations are mostly originals from photographs, and add greatly to the elucidation of the text. The two great novelties of this year, mentioned above, will undoubtedly take their place in the horticultural world along with Holmes' Houser Cabbage, Holmes' Premo Sweet Corn, and many other excellent introductions of this house. Not only vegetables but grasses and forage plants; and in the realm of flowers; in farm and dairy supplies, implements, fertilizers, insecticides, poultry supplies—in short, everything for the farmer, gardener and florist is well represented in this catalogue.

John Lewis Childs, Floral Park, N. Y.—Childs' Combination Catalogue. Seeds, Bulbs, Plants, Shrubs, etc. Colored title page, hardy ever-blooming pinks, and back cover adorned with attractive small fruits. An interesting catalogue, strong on novelties. Gives more space to the discredited Wonderberry than anything else. We admire "sand" and tenacity of purpose in a good cause but! "Our Mayor's wife who had a roly-poly pudding made of them" and "My pastor's wife who had a steam pudding" are still alive, it seems, and all is happy. "Yesterday I made a pie for a banker's family," says one enthusiastic Michigan matron. All these people were "charmed by the foolish whistling of a name" perhaps, but another cylinder will now have to be put on the machine for the "Wonderberry" triumph of Burbank is, we are told, totally eclipsed by Childs' "go you one better." Our Improved Wonderberry or Sunberry. "Sic transit gloria mundi."

SEED TRADE NOTES.

The Ohio Valley Seed Company, Evansville, Ind., has increased its capital stock to \$25,000.

The anxiety to fill up shortages is warrant for the stir in the wholesale seed world at present. May all the good workers in this important campaign have a happy New Year in the bosom of their families wherever they belong. Easy enough to say; but hard to accomplish with railway schedules demoralized as they have been for two weeks.

The Ozark Seed Company, Springfield, Mo., has moved into its new building at 209 West Commercial street. The new quarters are large

and commodious and give plenty of room to care for a large and increasing business. John Barrett is president of the company and E. I. Pine is manager.

In ordering goods please add "I saw it in HORTICULTURE."



DREER'S
Florist specialties.
New Brand New Style,
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

1 1/2 inch HOSE for the FLORIST
3/4 inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
2 Reels, 1000 ft., 14 c.
1/2 inch, 13 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/4 " " " 5.25	120 7 " " " 4.20
1500 2 1/2 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crate \$3.60
456 4 1/2 " " " 5.24	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
210 5 1/2 " " " 3.78	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
2	14 1/2	14	1.25
3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

The American Woodenware Mfg. Co.
TOLEDO, OHIO



Sold by Schlegel & Fottler Co., Boston, Mass.

Syracuse Red Pots

ALL THE STANDARD SIZES

It will soon be time to order large pots for fall potting. We have a full line of the best.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO.,

Zanesville, Ohio.

OBITUARY.

August H. Boseck.

August H. Boseck, for twenty years superintendent of Wunder's Cemetery, Chicago, died Tuesday, December 28, at his residence, 3953 North Clark street, at the age of 60 years. He is survived by a widow and three children.

August Pierson.

August Pierson, superintendent of Oak Hill Cemetery, Chicago, for seven years, died December 28 at the home of his daughter, Mrs. A. C. Jackson, Kimbark avenue, following an operation.

George H. Serviss.

Death came to George H. Serviss, florist of Batavia, Ill., on the night of December 23, following an illness of many months at his home at 75 Harrison street. The deceased had lived in Batavia for the past twenty-five years. He leaves a widow and two children.

Martha F. Frauenfelder.

Martha Froese Frauenfelder, wife of Conrad Frauenfelder of Chicago, died January 1st after a long illness. The funeral was from the home January 4th, at 2 o'clock. Mrs. Frauenfelder leaves two children, Edna and Hazel, and a husband, who is a well-known florist on West Madison street and who is now very ill with pneumonia. The sympathy of the trade is with Mr. Frauenfelder and his family in their affliction.

John P. Sorenson.

John P. Sorenson, for fourteen years horticultural inspector in Salt Lake County, Utah, died at Latter-Day Saints hospital on December 20. Mr. Sorenson was born in Denmark in 1837 and emigrated to Utah in 1871. He was a very efficient official. For years he had charge of the horticultural exhibits at the Utah State fairs, and it was due to his energy and ability that the exhibits were so uniformly creditable. He leaves a widow and ten children.

BUSINESS CHANGES.

Washington, Ia.—Joseph Melinsky has bought out the Keck Floral Company.

Albany, N. Y.—F. W. Eberle has purchased the interest of F. A. Sherman in the seed business of Sherman & Eberle.

Davenport, Ia.—The Bills Floral Company was dissolved on Dec. 15, 1909, and the business has been taken by H. M. Bills from this date. The plant comprises 18 houses, aggregating between 30,000 and 35,000 square feet of glass, heated by steam, 275 h. p. boilers. A large retail business is done at this place.

Salem, O.—V. A. Cowgill has leased the J. E. Bonsall place for the coming year and will run it in connection with his retail trade already established. There are five houses, 16x330, filled with Kaiserin roses, the crop from which Mr. Bonsall has been selling through the McCallum Co., Pittsburgh. The place which Mr. Cowgill has been running for the past three years was bought from Mr. Bonsall originally, but has been almost entirely rebuilt. Six houses have just been completed, three 31x130 each, one 16x65, one 25x65,

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.

one 20x50. Salem is a city of 15,000 population and Mr. Cowgill reports an unprecedented Christmas trade, especially in the plant line.

FIRE RECORD.

Lima, O.—The greenhouses and contents of E. N. Zetlitz were damaged by fire on the night of Dec. 20.

Beardstown, Ill.—Frank Bros., florists, suffered a small loss from a blaze which started in their office on Dec. 29.

South Portland, Me.—The store and greenhouses of Frank W. Dyer, were entirely consumed early on the morning of December 27. The fire started in an adjoining grocery store. Mr. Dyer's loss amounts to several thousand dollars.

Kansas City, Mo.—The George M. Kellogg Flower Company's store at 9th street and Grande avenue, was completely destroyed, together with the Rialto Building in which it was located, early on the morning of Dec. 23. The fire is supposed to have been started by escaping gas. The loss was heavy.

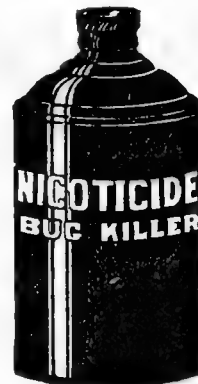
Peoria, Ill.—Spontaneous combustion caused a fire in the second story of the building occupied by the Stocker Seed Company, in the heart of the wholesale district, on the night of Jan. 1. The blaze was discovered by a watchman, but extinguished by the firemen before the building was destroyed. Several thousand dollars' worth of seeds were lost. The property loss was not heavy.

Hartford, Conn.—An overdose of fumigating with hydro-cyanic acid ruined 10,000 carnation plants in the greenhouse of John Coombs a few days before Christmas. The loss including flowers in bloom for the holidays is estimated at \$3000. In the issue of HORTICULTURE for January 30, 1909, page 143, appeared a valuable contribution on the use of this fumigating agent by A. J. Lovelless of Lenox, Mass., and the directions there given, had they been carefully followed, would undoubtedly have saved this \$3000 as well as a good many other dollars lost in a similar manner elsewhere.

PRATT'S
"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

*green flies and
black ones too*

are easy to kill with

**The Fumigating Kind
Tobacco Powder**

\$3 00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee.

THE H. A. STOOFF CO., Mount Vernon, New York.

KILMDEAD
**The best of all
the tobacco
dusts for**

**Dusting or
Fumigating**

25 lbs., \$1.00 100 lbs., \$ 8.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., \$2.50

Stump & Walter Co.
50 Barclay St.,
New York.

Which Spray Pump?

shall you buy? Buy the
Spray Pump that fully meets the
demands of the Government Agri-
cultural Scientists and all practical
Fruit Growers. These pumps are
widely known as

DEMING SPRAYERS

and are made in 23 styles for use in
small gardens or immense orchards.

Write for our 1909 catalog with
Spraying Chart. Add 4 cents post-
age and receive "Spraying for
Profit," a useful guide book.

CHARLES J. JAGEN CO.
251-255 Franklin St., Boston

SPRAYED

YOU ARE SQUANDERING YOUR COAL

Abusing your plants and reducing your crop

If you are still clinging to the primitive and antiquated gravity system of circulating hot water. Below is another testimonial as to **what a man gets** when he takes the Automatic Circulator into partnership.

From the proprietor of a large eastern carnation growing establishment where a complete system has just been installed. "The water only loses about five degrees of heat on the longest run we have, whereas there was a loss of fifty to sixty degrees when we depended on gravity, which is gratifying."

Another firm, one of the largest and most notable in the Central West, says: "At this time of year we cannot make many changes, but from what I observe will change to hot water next summer."

The Story of the Automatic Circulator is

Defective Circulation Absolutely Annihilated. Regular and Uniform Temperature in Every Part of the House Day and Night. It Never Sleeps, but Works While YOU Sleep. An Indispensable Feature of the Modern Greenhouse Heating System. Write and tell us your present equipment and we will tell you where and how you can save coal, labor and worry and increase your product. The address of the writers of the above testimonials will be given on application.

W. W. CASTLE CO HEATING ENGINEERS,
170 Summer St., Boston, Mass.

GREENHOUSES BUILDING OR CONTEMPLATED.

East Liverpool, O.—F. G. Chapman, one house.
Louisville, Ky.—Weber & Kneisel, two houses.
Wooster, O.—P. N. Rice, house, 20 x 60, in spring.
Milwaukee, Ore.—Hindee Bros.; one house \$8,000.
Marion, Ind.—F. W. Herleman, carnation house, 21 x 100.
Broadalbin, N. Y.—W. K. Smith, house, 30 x 100, in spring.
Louisville, Ky.—A. Rasmussen, range of houses, in spring.
Madison, Wis.—University of Wisconsin, four houses, 21 x 100.
Traverse City, Mich.—Queen City Floral Co. Carnation house, 18 x 150.
Bangor, Me.—Adam Sekinger, rose house, 300 ft. long and one carnation house, 30 x 200.
Beaumont, Tex.—John W. Gates, of Port Arthur, and C. D. Otis, of Lake Charles, will erect a greenhouse and nursery in Jefferson County, for the propagation of fruits and flowers. Mr. Otis, who is president of the Louisiana State Horticultural Association, has a greenhouse and nursery in Lake Charles. It is probable that the old government experimental farm on the Port Arthur shell road, will be the site of the new plant.

PATENTS GRANTED.

944,393. Implement for Digging, Transplanting Plants, and Pulling Weeds. Frank L. Whitney, Lincoln, Neb.
944,712. Lawn Mower. August Berens, Chicago, Ill.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS

Our Specialty

Can interest you with our prices all the time; we ask you to write us.

"Result," "Satisfaction."

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

NEWS NOTES.

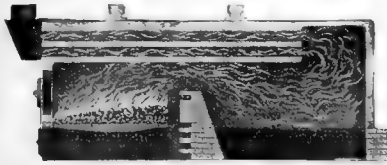
Kennett Sq., Pa.—Two greenhouses belonging to C. M. Swayne were badly crushed under the weight of snow on Christmas day.

Kinmoth Falls, Ore.—Arthur C. Lewis has perfected a plan for heating his greenhouses with water piped from a hot spring. Since tapping the subterranean stream the temperature

of the water has increased at the rate of about 10 degrees F. a week.

Detroit, Mich.—A section of the boiler blew out on Christmas eve at the greenhouse of F. Kalbe. To add to the difficulty he could not procure another section in this locality and had to wire Buffalo. It is to be hoped that weather conditions stay moderate, thereby preventing further damage to his property.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

Write to us about your
Material and Plans
for any size and style of

GREENHOUSE

for new structure or repairs.

Hot Bed Sash

In stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.
CHICAGO, - - ILL.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

Buxton, Doane Co.

18 Midway St., Boston
Telephone, Main 4419

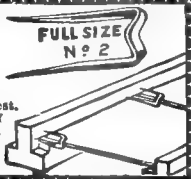
Holds Glass Firmly
See the Point

FULL SIZE
No. 2

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.



Greenhouse Property To Lease

I seek to find the right man or concern to lease the greenhouses and adjoining necessary buildings, including a power house, on the estate of the late Frank Jones of Portsmouth, N. H.

The plant consists of one large brick boiler house containing two horizontal boilers of ample capacity, and coal storage. Connected with this building a brick and stone head house, about 20 feet wide. At right angles to and connected with this house, are fourteen greenhouses 60 feet long and two large double houses. Also a tropical plant house disconnected, and two grape houses filled with Black Hamburgs in excellent condition.

The benches in the sixteen houses are of slate, with iron supports. There are also a great number of cold frames close at hand.

The construction of everything is first-class in every respect, far better than is usually built for a high class commercial proposition. There is not a broken light of glass, a broken brick, tile or slate slab on the premises; nor is there any rust or decay or displacement of anything from the foundations to the ridge pole. The estate is situated about one mile from the Boston & Maine station, approached by a broad avenue. There are excellent markets at Boston, Portland and Portsmouth.

The mansion on this estate and small parks adjoining it are to be used for private purposes and the proprietor desires to be relieved from the responsibility of the greenhouses and surrounding grounds.

A satisfactory lease for everybody considered, whereby the lessee could from the start make money, so far as the rental is concerned, could be negotiated.

For terms and further information write

J. P. Eustis, 92 North Street,
BOSTON, MASS.

CYPRESS SASH BARS

32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



The Advance Ventilating Machine

is years in advance of them all, although five years old and of the same practical construction.

It is built for the purpose of opening and closing windows, this is one reason why it is a favorite, wherever it goes.

Send us your trial order.

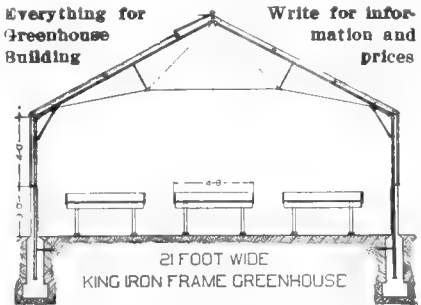
The Advance Co.
RICHMOND, IND.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

Everything for
Greenhouse
Building

Write for information and prices



In Widths from 14 feet 0 inches to 54 feet 0 inches. Without posts.

KING TRUSS SASH BAR HOUSES.
IRON GUTTERS AND FIVES.
IRON AND CYPRESS BENCHES.
VENTILATING MACHINERY.

KING CONSTRUCTION CO.
NORTH TONAWANDA, N. Y.

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LET US QUOTE YOU ON NEW
AND SECOND-HAND

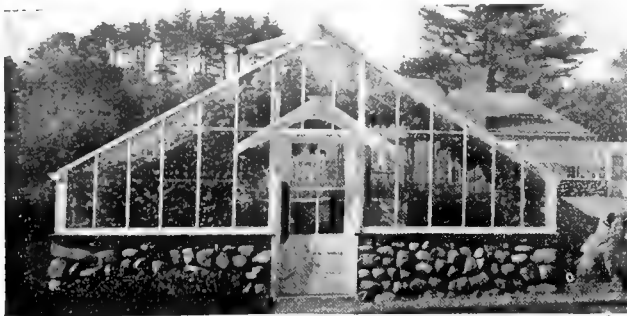
Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.

1322-1414 Metropolitan Ave. Brooklyn N. Y.

TO BUYERS

Patronize our advertisers, they will treat you right



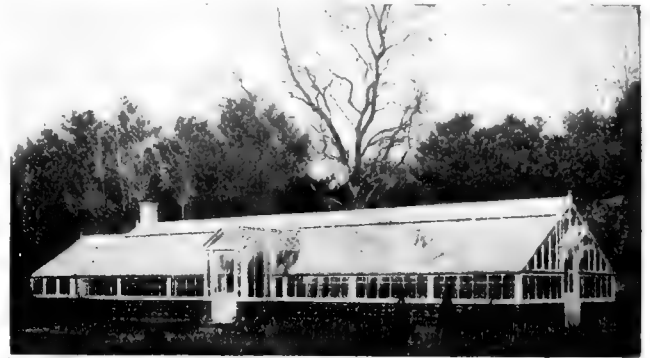
A Greenhouse Growth

Unless a greenhouse has been planned and located with the idea of possible additions, when they **are** made, the result is bound to be disappointing, giving an unbalanced and often inconvenient range, far different from what we, as skillful designers, would have secured.

When you do build, be sure you **start** right. When you are ready to build, we are ready to do the building.

Hitchings & Company

Designing & Sales Offices General Offices & Factory
1170 Broadway, N. Y. Elizabeth, N. J.



Greenhouse Endurance

For out and out endurance — a house that will outlast any other but is much the lightest — Our Sectional Iron Frame construction stands head and shoulders above the others.

Lord & Burnham Co.

Irvington-on-Hudson, N. Y.

New York	Boston	Philadelphia	Chicago
St. James Bldg.	Tremont Bldg.	Heed Bldg.	The Rookery



No Heavy Roof Supports. The U-Bar is the Rafter and Roof Bar in one. No House like it. The lightest and best. Patented.

*Send for
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PIERSON U-BAR CO.

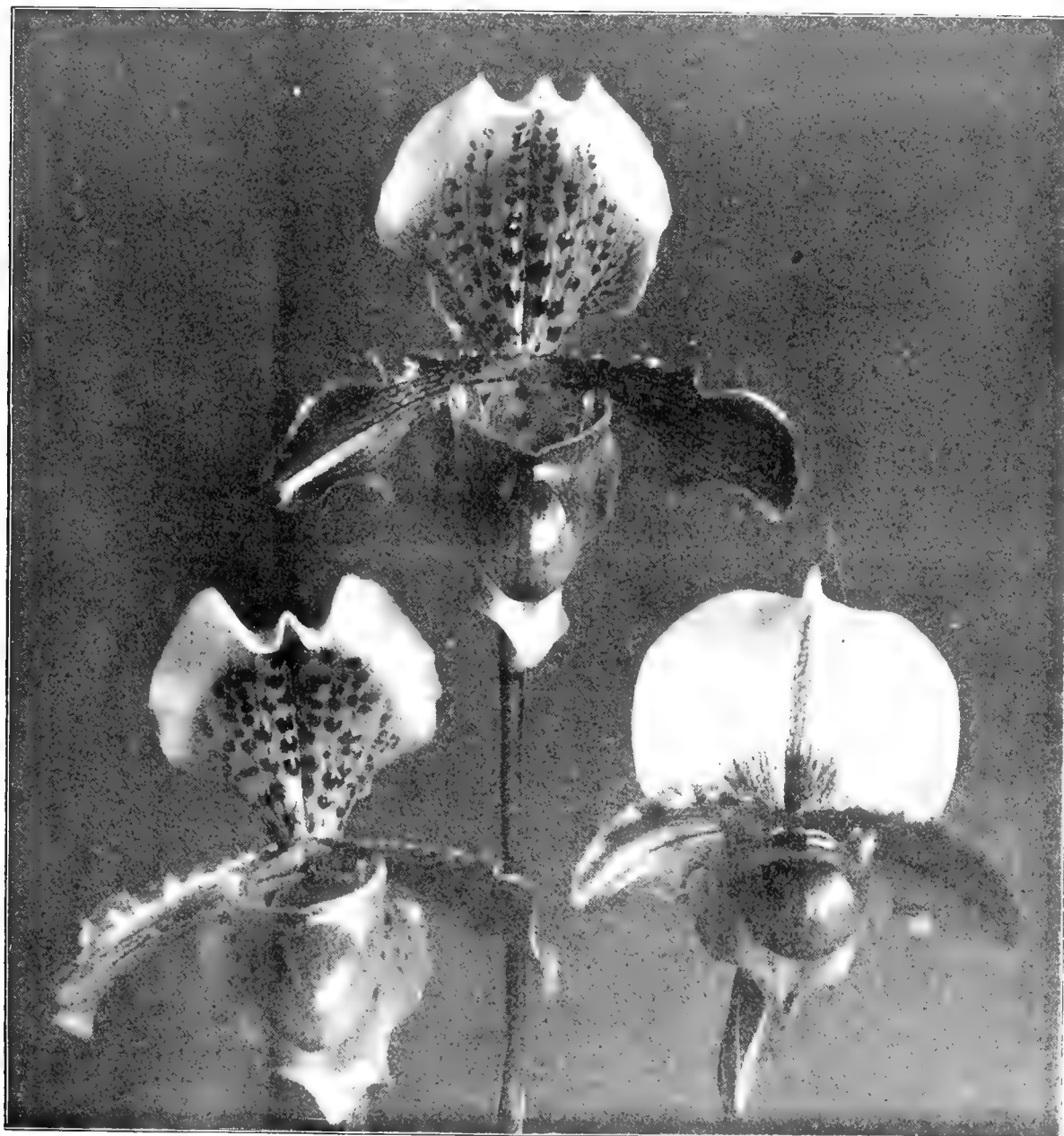
U-Bar Greenhouses
1 Madison Avenue
NEW YORK

HORTICULTURE

Vol. XI.

JANUARY 15, 1910

No. 3



THREE CYPRIPEDIUMS OF HIGH DEGREE

Photo. A. H. Knapp Co.

(From left to right) *C. insigne* Harold Hill, *C. insigne* Julius Roehrs, *C. Leeatum* Chukaberranam.



DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



Bobbink & Atkins

Nurserymen and Florists
Rutherford, - N. J.

PYRAMID BOXWOOD

2½ ft....\$1.00 each	4½ ft....\$3.50 each
3 ft.... 2.00 each	5 ft.... 4.00 each
3½ ft.... 2.50 each	5½ ft.... 5.00 each
4 ft.... 3.00 each	6 ft.... 6.00 each

EVERGREENS

We have a large quantity and fine assortment of small Evergreens for Window Boxes and Vases.

10-12 inches.....	\$20.00 per 100
12-15 inches.....	25.00 per 100
15-18 inches.....	35.00 per 100

KENTIAS AND BAY TREES

Our stock is larger and finer than ever. We can fill orders for all sizes, and any quantity.

RHODODENDRONS

In all bright colors; fine forcing varieties; good value. \$6.00, \$9.00, \$12.00, \$15.00 and \$18.00 per dozen.

POT GROWN

	Per doz.	Per 100
Azalea Mollis	\$ 4.50	\$35.00
Deutzia Gracilis, pot		
grown	2.00	15.00
Double Flowering Cherry	15.00	
English Hawthorn, double		
scarlet	12.00	
Lilac Charles X, Marie Le		
Graye, extra size, for		
8-9 inch pots.....	10.00	
Malus, Flowering Crab..	12.00	
Prunus Triloba, Standard	15.00	
Prunus Triloba, Bush....	9.00	
Staphylea Colchica	9.00	
Viburnum Opulus	6.00	
Weigela Eva Rathke.....	12.00	
Wistaria, blue	12.00	
Dielytra Spectabilis		6.00
Aucuba Variegated, for		
window boxes, 12-15		
inches	4.00	
Aucuba, fine plants, 18-24		
inches	9.00	
Kalmia Latifolia.....	9.00	
Magnolia, pink ..1.50 to	2.50	

ROSES

H. P. low budded, 2 yr., fine stock for forcing in pots; following varieties \$15.00 per 100, \$120.00 per 1000:

Gen. Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Bauman, Frau Karl Druschki, Baroness Rothschild, Mrs. John Laing, Gen. Washington, Gabriel Lulzet, Magna Charta, Mme. Plantier, Mrs. R. G. Sharman Crawford.		
Crimson Rambler, Home Grown:	Per doz.	Per 100
2 yr. old; 2-3 in., well		
branched, own roots...	\$2.00	\$12.00
2 yr. old; 2-3 in., well		
branched, budded.....	2.00	12.00
3 yr. old; 3-4 in., well		
branched, own roots...	3.00	15.00
3 yr. old; 3-4 in., well		
branched, budded.....	3.00	15.00
Dorothy Perkins, strong,		
field grown	2.00	15.00
Baby Rambler, Half		
Standards, 30 in. high.	9.00	
Lady Gay, 2 yr. old....		15.00
Baby Rambler, dormant,		
field grown, selected,		
budded plants		16.00
Anny Mueller, dormant		
plants, 2 yr. old (Pink		
Baby Rambler)		16.00

A visit to our Greenhouse and Nursery will convince you we have the quality that gives satisfaction.

We have a fine selection of Nursery products. Shall be pleased to give special prices on lists.

1st on W. Park, R. C. 12, Pa.

THE CONSTANT

A New Seedling Carnation of Wonderful Merit. Will be offered to the trade in February, 1910. For description, price, etc., see "Horticulture," issue of November 19th.

C. S. FORD Florists Supplies, and Novelties, Etc. 1885
P. O. Box 4515, West Park, Phila., Pa.

NEW CARNATIONS

The Two Prize Winning Introductions of the Cottage Gardens

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

Price, Rooted Cuttings

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000, 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid. Increasing its popularity. ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 38 to 42 inches in length.

AWARDS

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

Price, Rooted Cuttings

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery Feb. 1st, January Cuttings All Sold

These varieties bring from \$2.00 to \$4.00 per 100 more than any other carnation sold in the New York market.

COTTAGE GARDENS CO., Inc.

QUEENS, LONG ISLAND, N. Y.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, \$12.00 per 100; \$100.00 per 1000
Alma Ward..... 15.00 " 125.00 "
Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, \$6.00 per 100, \$50.00 per 1000.
White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden, \$3.50 per 100; \$30.00 per 1000.

NOW READY

New Crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons at 25c and \$1.00 per package.

CHARLES H. TOTTY, MADISON, N. J.

CARNATION

Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATAOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

CHRYSANTHEMUMS

AND

ASTER SEED

All the leading kinds best suited to Florists use.

ELMER D. SMITH & CO.

ADRIAN, MICH.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots..\$25.00 per 100 | 6 in. pots..\$75.00 per 100
5 in. pots.. 50.00 " | 7 in. pots..100.00 "

THOMAS ROLAND, NAHANT, MASS.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

GERANIUMS

Our New Illustrated Descriptive Catalogue will be ready for distribution, Jan. 15th. It will be the handsomest and most complete Geranium Catalogue ever issued and is free to the trade.

We are revising our mailing list, and would suggest that if you are interested you send us your name on a postal card. We claim to have the largest and most complete collection in the country, and an immense stock for immediate shipment, from 2 in. pots of good standard sorts, at \$2.00 per 100; \$18.50 per 1000, and up to 50c each for New Varieties.

We have a splendid stock in 2 in. pots of the following at \$2.00 per 100. Double Lobelia, Kathleen Mallard; Alyssum, Giant and Dwarf; Lemon Verbenas; Fuchsias, 6 Varieties; Coleus Verschaffeltii and Golden Bedder; Lantanas, 8 Varieties; Ivy Leaved Geraniums, 6 Varieties, Scented Geraniums.

Double Petunias, mixed colors, \$3.00 per 100. Canna Roots, home grown, 1,000,000 good strong division at \$18.50 per 1000. King Humbert, \$6.00 per 100; \$50.00 per 1000. Dahlia Roots, whole field clumps, \$5.00 per 100 and up.

R. Vincent, Jr. & Sons Co., WHITE MARSH, MD.

Carnation Dorothy Gordon

You are looking for the variety that will show the most profit, plus the greatest satisfaction to your customers.

Very well; this Carnation will do both. Dorothy Gordon is vigorous and disease-free, with flowers of uniform color—a shade darker than Pink Enchantress.

It produces at least a third more carnations than does Enchantress, and much larger—average flowers of Dorothy Gordon measure 3 inches or more in diameter. It has a stiff stem, and is a long keeper.

It has regularly brought us double the profits of the leading commercial sorts—Enchantress for instance. Let us illustrate:

“Enchantress” sells at wholesale in the Philadelphia markets at \$6 per 100; “Dorothy Gordon” has regularly brought us \$9 per 100. In addition, “Dorothy Gordon” produces easily one-third more flowers, or an additional \$3—giving a return of \$12 from the same greenhouse space that would be required to grow \$6 worth of “Enchantress.”

We are selling strong rooted cuttings at \$10.00 per 100, or \$75.00 per 1000.

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7 in. pot, 4 in pot, 34 to 36 in. tall	\$2.50
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Plant Novelties From China

The Primrose family is justly appreciated one of the most delightful and useful. For pot-culture the garden varieties of *Primula sinensis* and *P. obconica* are indispensable. The wild types of both these *Primulas* occur in the neighborhood of Ichang, Central China—*P. sinensis* on the bare limestone cliff of the gorges and *P. obconica* on moist grassy banks. In all nearly a hundred species of *Primula* are known from China where the genus finds its headquarters. The great majority of these are alpine plants and not suitable for general cultivation. Some, however, are very amenable in this matter and are distinct improvements on older denizens for gardens. *Primula pulverulenta*, *P. cockburniana* and *P. Veitchii* are three novelties of exceptional merit. In habit and foliage the first-named resembles the well-known *P. japonica*, but has flower-scapes 3 ft. or more tall each bearing 9 to 11 whorls of flowers. The individual flowers are a third larger than those of *P. japonica*, rich crimson in color, with often twenty or more in a single whorl. The flower-scapes are clothed with a white farina (hence its specific name) and it is this peculiarity together with its large flowers and taller scapes that makes the new plant so very superior to *P. japonica* and undoubtedly the finest hardy Primrose at present in cultivation. *P. pulverulenta* is a true perennial of vigorous growth, very floriferous and remains in flower for a couple of months. *P. cockburniana* has neat, ovate, obtuse, pale green leaves and bright orange-scarlet flowers, an inch across, borne in several whorls on scapes 1 to 1½ ft. tall. The color of the flowers in this plant is unique in the family and one of the rarest colors in the vegetable kingdom. Unfortunately, the plant is practically a biennial. Hybridists, however, have already secured several crosses between this *Primula* and *P. pulverulenta*. Some of these have the perennial character of the last-named with flowers the same as *P. cockburniana*.

In stature and habit these hybrids are intermediate. "Unique" and "Unique Improved" are names given by the raisers to these hybrids and there is a great possibility of a new race of hardy Primroses, distinguished by these remarkable orange-scarlet flowers, being developed from these two species. A shady position, fairly stiff loam and cow dung with abundance of water at the roots are the essentials in the successful culture of these two new Primroses. An ideal spot would be the side of a woodland stream free of rank weeds.

Primula Veitchii is a true perennial, with leaves resembling *P. obconica*, but with a dense felt of white hairs on lower surface. The flowers are freely produced in whorls on scapes 1 to 1½ ft. tall, and are of a pleasing bright rose-color. A hardy *P. obconica* sums up *P. Veitchii*—Verb sap. A light loam, rich in leaf-soil, and a moderately dry situation are necessary for its successful culture. These *Primulas* seed freely and the seeds germinate readily.

The Fume-worts, of which over 60 species are known from China, are mostly better suited for the rockery than the ordinary garden. The best known of the family is the old *Dicentra (Dielytra) spectabile* introduced by Fortune, and now not so much cultivated as it deserves. A new species, just introduced and not yet in commerce, is *D. macrantha* with axillary clusters of large, pale yellow, pendulous flowers. This plant will probably find many friends in due course.

Very different to the above are *Corydalis thalictrifolia* and *C. Wilsoni*. The first named has foliage resembling the maiden-hair fern in shape, rather fleshy in



CORYDALIS THALICTRIFOLIA

A new yellow-flowered greenhouse plant suitable for basket culture.

texture, and erect racemes of large, yellow flowers produced in profusion. *C. Wilsoni* is a smaller plant with finely cut foliage, covered with a white farina, and erect racemes of golden-yellow flowers. Similar to this latter are *C. tomentosa* and *C. tomentella*. These *Corydalis* are denizens of limestone cliffs, growing in pockets in company with *Primula sinensis*. Though not hardy they have decorative value of no mean order, making charming plants for pot, and more especially basket culture. Seeds sown in May in a cool greenhouse and the seedlings potted on will flower the following winter. Their culture is of the simplest and those on the lookout for pleasing decorative plants, for basket culture or pots in a cool greenhouse, will do well to give *Corydalis thalictrifolia* and *C. Wilsoni* a trial.

Rehmannia angulata is a tall-growing biennial which has become very popular on the other side for greenhouse work. The large, fox-glove-like, rose-colored flowers are produced in great profusion on branching stems 6 feet or more tall. This plant requires liberal treatment and when well-grown makes a highly decorative plant especially useful for winter and early spring work. This plant is easily raised from seeds which are freely produced. Those who complain of *Rehmannia angulata* being too strong-growing will welcome the advent of the dwarf-growing *R. Henryi*. This plant is one of the Arnold Arboretum's recent introductions, grows nine inches to a foot high, and has flowers as large as *R. angulata*, pure white save for a touch of yellow within the throat. This plant has not been really cultivated yet but the few plants that have flowered give considerable promise. Hybridizing these two species may produce a race of plants having greater decorative value than the types and a much wider range in color. With these *Rehmannias*, as with other of the Novelties dealt with in these articles, the potential value may prove of much the greater importance to Horticulture.

S. W. Wilson.

British Horticulture

A FLOURISHING SOCIETY

It is now 33 years ago since the National Rose Society first came into existence, with the late Dean Hole as the president and the late Rev. H. H. D'ombrain as secretary. Since that time the Society has steadily grown in numbers, influence, and usefulness. At the annual meeting, recently held in London, it was reported that the gate money received from the general public this year at the Royal Botanic Society's gardens exceeded that at any previous exhibition held by the Society. The finances are in a very satisfactory state, a substantial amount being carried to the reserve fund. During the past year 900 new members have joined the Society—115 more than in the previous year. Allowing for the losses by death and resignation the total number of members is now 3,797. In the course of the meeting an alteration was made in the rules to provide that in future in all exhibition boxes for single blooms the tubes must be five inches apart each way from centre to centre of the tubes. A pleasing incident was the presentation of the Dean Hole memorial medal to the Rev. J. H. Pemberton, of Havering, Essex, an eminent rosarian, and author of "Roses, Their History, Development, and Cultivation."

THE CULT OF THE SWEET PEA

Another organization which has evidently come to stay is the National Sweet Pea Society. The report presented at the recent annual meeting stated that 280 new members have joined the Society during the year just ended, the membership now standing at 938. The finances are equally gratifying, the balance at the bank being the largest carried forward in the Society's history. The Society's trials were not so entirely successful this year as they had been in previous seasons, owing to the vagaries of the weather, and the consequent difficulty experienced in inspecting the trials in the best condition. There were 350 varieties of stocks of sweet peas on trial. Arrangements have been made for next year's shows, and also for the trials. These will be made on a more extensive scale than has hitherto been possible. Mr. Chas. Foster will again superintend the trials, which will be conducted at the Times experimental station, Sutton Green, Guildford. The annual meeting was followed by a dinner and conference, at which papers were read by Mr. W. J. Unwin, of Histon, and Mr. W. Cuthbertson, of Mark's Tey, Essex.

ITEMS OF INTEREST

The Wisbech Fruit Growers' Association has passed a resolution, strongly protesting against the Government's subsidizing Jamaica to the extent of £20,000 whilst totally failing to recognize the claims of the home growers.—The annual dinner of the Glasgow Seed and Nursery Trade Association was a successful affair.—The widespread nature of black scab amongst the potato crops in Shropshire and Staffordshire this season was lately referred to at a meeting of the Shropshire Chamber of Agriculture.—In consigning a barrel of apples to a London broker, Mr. J. Marsh, a Nova Scotian farmer inserted a note stating that he desired to correspond with "a fair maid between the age of 16 and 25." The sequel is a happy wedding.—Negotiations are now in progress for the amalgamation of the Royal Botanic Society and the Royal Horticultural Society.

London.

W. H. Adsett.

Anthurium

This large genus of stove and greenhouse plants, may, for convenience, be divided into two sections; namely, those grown for the grandeur of their foliage, and those grown for the curious shape and coloring of their inflorescence. No greenhouse foliage collection should be without a few varieties of each of these decorative plants. The fine noble looking leaves of the foliage varieties always attract the attention of visitors and the flowering ones, if scattered here and there throughout the foliage house, because of their quaint appearance and bright color somewhat relieve the monotony of leaves and always court admiration. They are shade loving plants and for that reason alone, an odd shady, warm corner may be made to yield a few cut flowers a little out of the ordinary.

Anthuriums are propagated by division of the crowns, or cutting up the rhizome, and by seeds. This last method requires a good deal of patience as the seed takes about a year to ripen after fertilization has taken place. To increase stock by the former way select the plant to be treated, turn it out of the pot, and wash the soil carefully from the roots, care being taken to injure them as little as possible, divide the crowns with a sharp knife, leaving a piece of root to each crown; cut the rhizome into pieces about two inches long, these also having roots attached to each piece. A good potting material to use for a first potting is equal parts of fern root, the fibre of loam, sphagnum moss, and sharp sand, with a good sprinkling of charcoal. The mixture should be broken in pieces small enough to use conveniently in the smallest pots that the crowns and pieces can be potted in. The crowns should be a little above the rim of the pot when finished off. The cut-up rhizomes should be covered up a little until they break an eye. They should be placed in a humid atmosphere, with a temperature of about seventy degrees, care being taken not to overwater, until they start into vigorous growth. Established plants should have more loam and fern root, and less sphagnum moss and sand, in the compost for potting them; about a fifth of dried cow manure may be added and a sprinkling of chicken bone. About midseason they will be well rooted, and can be fed with the usual stimulant. I have seen the showy leaved varieties benefited by a topdressing of sphagnum moss and dried cow manure applied about the end of June, an equal size of leaf being maintained throughout the season.

A few good, ornamental leaved varieties to grow are: *A. cordifolium*—one of the best, and can be grown in a lower temperature than some of the others; *A. crystallinum*—probably the one most commonly grown; *A. splendens*—quite a distinct species, and very striking; *A. Veitchii*, *A. Waluiewi*, *A. Waroqueanum*. Among the best to grow for flowers are: *A. Andreanum*—a very beautiful species, running into many forms; *A. Ferrierense*—a hybrid between *A. ornatum* and *A. Andreanum*, an excellent variety; *A. Scherzerianum*—a very compact, dwarf-growing species; it flowers quite freely, and makes a handsome specimen flowering plant. There are quite a number of different varieties of this last named species, among which may be mentioned *A. Scherz. maximum*, *A. S. pygmaeum*, *A. S. Wardii*, *A. S. Williamsii* also known as *A. S. album*.

George F. Stewart.

West Medford, Mass.

The Gladiolus

A Few Observations from My 1909 Note Book.

Judging from the great number of new varieties being introduced by gladiolus growers all over the world, it would seem that this popular bulb was receiving its full share of the attention of the plant breeders. I have grown and tested the past season something like 400 varieties and I will describe briefly the best of these.

"Reine Blanche" (Barre), a new pure white, from Europe is sure to be a valuable sort for florists' use and the cut flower grower as it does not pink like Augusta and the only show of color is so deep in the throat that it does not show. It is a *gandavensis* of average size flower and very vigorous.

I received from Vaughan's Seed Store the two new Princess seedlings of Dr. Van Fleet. The best one was Mastodon, a "chip of the old block," but a decided improvement, the spike growing well above the foliage thereby furnishing a good long stem. Margaret by M. Crawford is also a very fine red.

C. L. Goodrich, Luther, Ia., sent me some of his new seedlings to test. They were all magnificent especially the following. Clarinda (No. 119), rose ground striped crimson, throat white mottled violet, very large flowers; Montezuma (No. 162), scarlet and crimson with large pale yellow throat; Mt. Shasta, pure white ground slightly penciled and tinted pink; very large flowers well arranged on the spike; No. 183, a large flower, very pleasing blend of light lilac and lavender, marked with crimson on tip of petals; No. 1270, a very large and most beautiful flower, pink ground flamed and marked crimson, throat mottled with white; Agricola, white, striped and shaded with light crimson on the edges, dark crimson band on three lower petals.

Among the varieties from A. E. Kunderd, Fort Wayne, Ind., the following were splendid: Improved 1910, a variety resembling the old variety but with finer spike of larger size flowers. Improved May,—this is also a great improvement on the old sort. New Garden Pink,—this is one of the best sorts that I have seen of the *gandavensis* type; flowers of good size eight or ten opening at the same time and a beautiful blending of pink and white. Mrs. Frank Pendleton, Jr.,—this variety which was sold through my agency to W. W. Rawson & Co., is the finest gladiolus I ever feasted my eyes upon. It is a type of its own being a cross of Lemoinei and *Gandavensis*, the result producing a flower of immense size of a most delicate salmon-pink with a deep blood red blotch in the throat at the base of the three lower petals. Mr. Kunderd is also producing some wonderful sorts in his new ruffled strain.

At W. W. Rawson & Co.'s last summer I saw in bloom the most beautiful varieties of recent European introductions. The yellow and white varieties were far superior to anything yet offered by American growers. The following deserve special mention—of the white sorts Hoenstaufen, pure white, suffused soft pink, throat scarlet edged yellow; Deutsche Kaiserin, pure white, with the exception of delicate lavender on the tip of the petals; Elizabeth Kurtz, very large flowers of pure white. In yellow there were Yellow Prince, a very large clear yellow; Mrs. Carpenter, also a very fine almost solid color, and Helios, very large pure yellow deeply ruffled and fluted. Then there was Wm. Steinhausen, a giant flower of a salmon red color, quite distinct and novel, and Neues Jahrhundert, the most brilliant combination of red and white I have ever seen, the flowers at the apex of the spike growing like a hyacinth. Hybridists have for years been working to produce a hyacinth-flowered gladiolus, that is to get the flowers to form all around the spike.

Luther Burbank wrote me that he produced such a type a few years ago, but sold the entire stock to a Philadelphia seedsman who shortly after went out of business and that he had never been able to get track of them since. However, A. Graverau, a French specialist, has been working on this type for several years and has already listed one variety, "Triomphe de Paris," to be followed soon by others. V. Lemoine & Son, Nancy, France, have also introduced two varieties of this type, Couronnement and Triomphe de Nancy, the last named being a very dainty sort of a tender salmon shade.

Of the Lemoinei varieties that I tested this past season these were the most beautiful. Henry Lemoine, a rich yellow with a crimson blotch with crimped petals; Lady Howard de Walden, clear yellow with a brown blotch edged sulphur yellow, and Tricorne, a pale salmon rose with irregular dark red blotches, a very odd variety. In Nanceianus, Abbe Roucourt, a dark crimson; Director Von Angyal, another crimson, and Desdemone, an enormous flower of ashy-rose color, striped violet with a large dark red blotch edged with sulphur yellow—a splendid variety—were all superb.

Gladiolus Childsi is deservedly popular with a great many growers and private gardeners and a few varieties that I will mention are magnificent, viz., Attraction, a bright red with a pure white throat; I. S. Hendrickson, irregularly marked pink and white; Jay, compact spike of large well open flowers, dark pink with mottled throat; Melrose, a white flaked pink with bright crimson center, very large flower, and Wild Rose, a bright rose tint of a very tender shade. Another very fine sort of Mr. Childs' list is Contrast, a *gandavensis* of intense scarlet with a large pure white center.

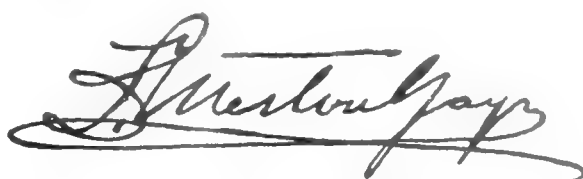
The following varieties from Vilmorin Andrieux & Co., Paris, were among the best that I tested of the *gandavensis* class. Triomphe de Caen, large white flowers slightly striped with pink and somewhat fringed; Sans Pareil, the finest orange-rose I ever saw, with a large white throat; Nuee d' Orage, almost solid slate color, very distinct color; Florence, very large flower of bright lilac with a large white blotch on the two lower petals.

Among some varieties sent me for trial by Mr. G. D. Black, Independence, Iowa, was a variety of his own raising that was very fine. It is a clear yellow with a dark red blotch; a fine spike and very vigorous, good size flower and altogether the best American yellow I have yet seen.

P. O. Coblenz, New Madison, Ohio, sent me the following under number all of which were splendid, 40, 207, 304 and 312.

There is much work ahead for the breeders in the blue section. I have grown a good many varieties, but have yet to see what I call a first class variety in this section. They are of a weak constitution and in most instances very shy seeders.

I find that there is much disease in various sections of this country as well as Europe in the commercial strains, and some of the species from the Cape (S. A.) are likewise badly affected. The U. S. Bureau of Plant Industry at Ithaca, N. Y., is carrying on an investigation of the diseases of this bulb, and will issue a bulletin on the subject later giving the result of their experiments.



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Pinchot We believe there is a general feeling of regret among the friends of the forests over the loss of Gifford Pinchot's services as chief of the forestry department. He was zealous and honest—one of the few whose appointment was due to no influence of politics but because he understood his business. The selection of such a man for such a position stands to the credit of President Roosevelt. We are glad to learn that the new forester and his assistant are both in sympathy with the methods and policy of Mr. Pinchot.

A helpful document The talk by Edward A. Stroud before the Florists' Club of Philadelphia which we present in full in this issue, will be found distinctly helpful, sound and practical and will repay a careful reading by every florist. While enthusiastically in sympathy with horticultural progress on the highest plane it is at the same time a thoroughly sensible business document. Dissemination through the medium of the trade press alone seems hardly adequate for such a production. Papers of this character might be acquired as they are delivered from time to time by the S. A. F. for distribution in pamphlet form. They are well worthy of preservation in some such permanent manner for the edification and inspiration of the horticultural trade.

A questionable reform It is announced that the promenade committee of the junior class of Yale has adopted a plan by which the costly expense of flowers at the promenade for chaperons and partners will be abolished. All applicants for tickets were forced to sign a pledge that they would give no flowers under penalty of not getting tickets. Where is "the milk in the cocoanut" in this proposition? Is there any reason for the boycott on flowers other than the specified "costly expense?" From what we know or think we know of the expense accounts of the average college student we are inclined to the belief that this action is all a case of saving at the spigot and wasting at the bung-hole. Surely the least reprehensible of a students' follies is the bestowal of flowers on his friends. It is a bad sign for any class in college or out of college when flowers—the most innocent and beautiful of nature's gifts—are put under the ban. What will the "junior class at Yale" take up as a substitute?

From now until Easter Ten weeks until Easter. From the standpoint of the wholesale plant grower it is but nine weeks, for his "harvest" will have been about all gathered a week before the great day and to that end all his energies will now be turned. The city florist isn't bothering his head much about Easter yet. What he is most concerned about is the little four weeks which lie betwixt him and Ash Wednesday and the dreaded Lenten season which it ushers in. Yet the dullness in flower buying during Lent is, and has been for some years back, a rather intangible spook. Certain people cease for a while certain gaieties and thus, it is true, one source of income is lost to the florists. On the other hand flower buying for

other purposes actually increases and, although prices go away down, the warmth of oncoming spring brings compensation in greatly increased daily crops. The general impression appears to be that the next four weeks will make a record for hustle and prosperity generally. We hope the confidence will prove not to have been misplaced and in the meantime the less said about Lent, the better. Each year sees less and less of ashes and sack-cloth.

"A health unto the happy!
A fig for him who frets;
It is not raining rain to me,
It is raining violets."

Thus sings Robert Loveman. Keep it in mind when you see the shadow of Lent approaching.

Trans-Atlantic Notes

THE RAISING OF SEEDS OF PRIMULA OBCONICA

Some much needed, sensible advice is afforded in an article in the issue of the "Gartenwelt" for December 11, 1909, from which we extract the following remarks. In a widely circulated well-managed journal for amateurs, it was stated "that those who were frightened at the high prices asked for seeds of *Primula obconica* should cultivate their own seed bearing parents, and they would then be certain of harvesting seeds of which 80 per cent. would germinate."

This advice will not do. The amateur, equally with the market grower cannot grow good *Primula* seed. Only the specialist is capable of doing this with *Primula obconica*, and furnishing all the requirements. It is not sufficient that any one should select from among a relatively small number of plants those which exhibit certain good features, retaining these as seed bearers. When the blooms are not artificially impregnated, it is scarcely possible to avoid the bees, carrying pollen from one plant to another, and in that manner spoiling the purity of the colors of the flowers. The specialist, from years of practice with one and the same species of plants, has a more acute eye for the finest flowers, and the minute differences in them, and is enabled to select the most suitable plants as seed bearers. Similarly with other flowering plants and vegetables. One of the first raisers of *P. obconica* stated to the writer that he had known florists who had saved *Primula* seeds for one and two years, and were very proud of their achievements, and were of the opinion that their seedlings were superior to those raised by him (the specialist). When, however, in the course of a few years, they had had the opportunity of comparing their plants with those of the specialists, the result was usually, that they came back to the specialist for their seeds. It may be remarked, here, that the trustworthy specialist, in his own interest sells only seeds that are fresh and of a high vegetative quality, which are calculated to afford not 80 per cent. of plants, but 90-100 per cent.; and when the results are bad, this is usually the fault of the cultivator. Perhaps the soil he employs is too light, or consists partly of leaf mould. In such soil the seeds do not vegetate at all, or very unsatisfactorily. It would appear that the tan-

nic acid present in such soils, kills the plants as soon as the germ emerges from the envelope. The seeds appear full and healthy, but do not vegetate further. Beside this chemical there may be biological causes in the bacterial-flora of the leaf mold not yet ascertained. Certainly, seeds of *Primula obconica* can be obtained by the gardener and florists at home; but in the case of these plants, when large flowers finely colored, and of fine form are desired, price should play no role; and to the prudent cultivator, good seed is never too dear in price.

CATTELEYA ELDORADO ALBA SYN C. ELDORADO VIRGINALIS

What cultivator of orchids has not been charmed by the tender beauty of the *Cattleya albinos*? Is it their variety, or their blinding whiteness that ensnares him? Although *Cattleya Eldorado alba* flowers are of moderate size, they are well developed, and 13cm to 15cm in widths is not a rarity. This species opens its flowers at a season when cattleyas are rather scarce—August and September, to the number of 2 to 4 on a spike; and the bloom is pleasantly fragrant. All parts of the flower are white except the throat which is orange. It is a native of the Amazon region, and not difficult to cultivate.

ROSE JOHANNESFEUR, ETC.

There are comparatively few novelties of the *rugosa*, and *lutea* classes of the rose. Really fine varieties for the general cultivator are *R. rugosa* C. F. Meyer, and the new clear white *Nova Zembla*, a sport from the former. *R. lutea* Soliel d'Or is likewise useful when it remains healthy; but as the foliage is readily spoiled by the sun's rays, the plant commonly dies off. *R. Les Rosati* is an improvement in this respect. It is stated by some cultivators that this perfectly hardy variety makes but little new wood which may indeed be true in some soils and positions. The new, hardy variety *Johannesfeur* raised by crossing *Princess de Bearn* with *Jaune bicolor* exhibits the features of the Hybrid *Perpetual* and *R. lutea* and, rightly speaking, it belongs to the *R. lutea* species. There are but few of the rose novelties of the last ten years that have any enduring value, and scarcely one which in the smallest degree approaches *Johannesfeur*. It has great vigor of growth, an erect habit, broad, leathery foliage which is not attacked by mildew or rust and is therefore assured of a long existence. The rather large flower is of good shape; full, and the blooms expand in all sorts of weather. The buds appear singly and several together on strong shoots. The color is not easily describable. It is bright red on a broad golden ground flooded over with a golden glimmer, not met with on any other rose. The plant like the *H. P.* blooms twice in the season, even as late as the month of October.—O. Jacobs in *Die Gartenwelt*, 18 December.

André Morel

London, Eng.

NEWS OF THE CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

The Newport Horticultural Society celebrated its twentieth anniversary Tuesday evening, January 11, with a dinner in Mercury Hall, which was attended by a large number of members and guests, about 90 in all—sitting down to the four tables. President James Robertson, Past Presidents Andrew K. McMahon, James McLeish and Richard Gardner; Senator John P. Sanborn, Representatives Robert S. Franklin and Robert Kerr, Mayor Patrick J. Boyle, John K. M. L. Farquhar of the Massachusetts Horticultural Society, J. A. Pettigrew, superintendent of parks of Boston, and Mr. John P. Hammond.

The dinner was arranged by a committee consisting of Andrew K. McMahon, chairman; Alexander McLellan, secretary; Herbert Bliss, John P. Hammond, James J. Sullivan and Chas. Newton, and the efforts of the committee were successful, not only in providing an excellent dinner, but a pleasurable entertainment for all. The hall and tables were attractively decorated.

After the dinner had been given full justice, Mr. James Robertson, the president, made a brief address of welcome and introduced Past President Richard Gardner as toastmaster. Colonel McMahon read letters from Congressman William Paine Sheffield and Representative R. Livingston Beeckman, expressing their regrets at being unable to be present and wishing the society enjoyment of its anniversary celebration and success in its future work. Colonel McMahon then spoke of Mr. Richard Gardner as the original organizer of the horticultural society and as one specially fitted, from this fact and his active interest from the beginning to the present time, to write the society's history.

Mr. Gardner gave an interesting history of the organization. He said that when he arrived in Newport, 27 years ago, he was at once impressed with the beauty of the place, the attractiveness of the estates of the summer residents and the possibilities of an organization of the gardeners for the study of horticulture. There was then no organization and no meeting place for the gardeners, except in the potting sheds of the greenhouses when the work of the year was completed.

In the potting shed of "The Breakers," then the property of Mr. Pierre Lorillard, in December, 1889, the Newport Horticultural Society had its inception. At that time four men—Arendt Brandt, Alexander McLellan, John T. Allen and David Gordon happened to call together on Mr. Gardner and after a talk it was decided to organize a society for the gardeners of Newport. A few days later the organization was effected, with Michael Butler as president, Richard Gardner and James Hill as vice-presidents, James Galvin as recording secretary, Joseph Gibson as financial secretary; Robert Christie as treasurer, and William F. Smith as sergeant-at-arms, and with 36 members. The first exhibition was given in November, 1890 with a cash premium. Mr. Gardner spoke interestingly of the success of the society

in the advancement of horticulture in Newport and of the support it has received in the community.

Senator John P. Sanborn responded to the toast, "The State of Rhode Island," and at the conclusion of his speech Archie J. Stark sang "The Skip-pers." Mayor Boyle spoke for the city of Newport and Representative Robert S. Franklin for the legislature, and Mr. John Perry sang a rollicking song, "Jim O'Shea," in the chorus of which the members of the society and their guests joined. Mr. Farquhar responded to the toast, "Horticulture," giving an interesting account of its growth and the changes which are taking place in the floral world.

Colonel A. K. McMahon was called upon to speak for the past presidents of the society. Of these twelve presidents, three—Messrs. Butler, Mahan and Bradley—have died, and six were charter members.

After a song, "My Southern Rose," by Mr. Ritter, the next toast was "Our Absent Members." Mr. Alexander McLellan replied.

Mr. John P. Hammond responded to "Newport: Its Parks and Trees," Mr. Paulding sang "The Land of Bohemia" and the concluding toast, "The Ladies," was given by Mr. Clark Burdick. At the conclusion of this response, Mr. Archie Stark sang another selection and the gathering was brought to a close, all joining in singing "Auld Lang Syne."

COMMERCIAL FLORISTS' ASSOCIATION OF ROCHESTER.

The regular monthly meeting and election of officers for the forthcoming year took place January 10th. The officers of 1909 were unanimously elected to hold office for 1910 and are as follows: President, F. W. Vick; vice-president E. P. Wilson; secretary, H. B. Stringer; treasurer, W. L. Keller. This meeting was the first to be held in the new permanent quarters of the association, No. 416 Cutler Building. Meetings take place second Monday each month at 8 p. m.

NATIONAL COUNCIL OF HORTICULTURE.

There will be a meeting of the National Council of Horticulture at the Auditorium Annex, Chicago, January 17, 1910, at ten o'clock a. m., to arrange details for next year's work. All interested in exploiting horticulture along broad lines, or in other matters properly belonging to the work of the Council, are invited to cooperate. It is earnestly hoped there will be a good attendance.

H. C. IRISH, Secretary.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Mr. E. H. Wilson will give a talk, with lantern slides, on his Chinese explorations, before this club at its next meeting, Tuesday evening, January 18. The annual banquet of the club will take place on Thursday, January 27, at Horticultural Hall, Boston. Tickets may be procured from the secretary, W. N. Craig, North Easton, Mass., or Peter M. Miller, 32 South Market street, Boston.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The interest taken by the club members in the Carnation Convention caused an unusually large attendance at the meeting Jan. 4th. Thirteen new members were elected and two proposed. The finance committee reported very satisfactory progress on the fund for the entertainment of the Carnation Convention delegates.

Nomination of officers for 1910 being in order, the president appointed as nominating committee, Wm. Falconer and B. L. Elliott, who after the consulting turned in the 1909 incumbents for re-election, which was so accepted by the club.

It was "Rose Night," but owing to the cold weather there was only one exhibit from outside growers, the new rose Radiance from Jno. Cook.

The Pittsburgh Cut Flower Co. showed two vases of choice roses; Randolph & McClements' Begonia Incarnata which they find a good Christmas plant; R. & J. Farquhar & Co., of Boston, through their representative Geo. Cruickshank, five pans of very fine Cyclamen. Mr. Cruickshank read an interesting paper on the culture of cyclamen. The judges awarded a first-class certificate to Jno. Cook for Rose Radiance and to R. & J. Farquhar & Co. a letter of thanks and commendation for cyclamen. Subject for next meeting, "Carnations."

H. P. JOSLIN, Sec'y.

DETROIT FLORIST CLUB.

The question of holding a flower show next fall was most spiritedly discussed and finally decided in the affirmative at last week's meeting. A good deal if not all of the opposition had its origin in the financial failure of the flower show ten years ago. But really this is a wound which should have healed long ago and it certainly does not furnish any argument today. Our always busy president listened to the arguments and prepared his list of committees at the same time, so that as soon as the vote in favor of a fall flower show was cast he announced the following committees:

Arrangements:—Wm. Dilger, Fred Breitmeyer, Alb. Pouchelon, Walter Taepke.

Prizes:—M. Bloy, Herm. Knope, Wm. Brown, Robt. Klagge.

Finance:—Alb. Pouchelon, J. F. Sullivan, Frank Danzer, A. von Boeslager.

Entertainment:—Wm. B. Brown, A. Scribner, R. M. Rahaley, F. Stock.

Advertising:—Frank Danzer, J. F. Sullivan, Hugo Schroeter.

The ball is started; now roll it swiftly to its goal.

FRANK DANZER.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The executive committee of the Chrysanthemum Society of America have accepted the invitation of the Morris County Gardeners' and Florists' Society to hold their annual meeting and exhibition at Morristown, New Jersey, next fall.

CHAS. W. JOHNSON, Sec.

NEW YORK FLORISTS' CLUB.

The monthly meeting of this club, last Monday evening, was inauguration night and took the form of a good-natured jollification. The hundred or more members and friends in attendance all seemed pleased with the selection of new officers and listened attentively and applauded enthusiastically as each incumbent in turn took his place on the platform and promised loyalty and devotion to the interests of the organization during his term of office. In resigning the chair to his successor, Mr. Miller, retiring President Turner took occasion to thank the members for their generous support during the past year.

J. H. Pepper reported for the transportation committee that the rates on the P. R. R. to the Carnation Convention at Pittsburg, on block ticket, would be \$8.40 each way and \$2.50 additional for Pullman accommodations.

The awards committee reported on their trip to Cottage Gardens to inspect Carnation Mrs. C. W. Ward, giving that variety 88 points and confirming the award of preliminary certificate.

Last year's dinner committee was reappointed. New committees were appointed as follows: Legislative—P. O'Mara, C. B. Weathered, F. R. Pierson; Essays—W. F. Sheridan, J. H. Pepper, John Young; Awards—C. H. Totty, Harry Turner, Wm. Duckham, I. S. Hendrickson, F. H. Traendly, Robt. Simpson, C. Weber, W. H. Siebrecht; Exhibition—A. J. Manda, W. E. Marshall, Robt. E. Berry, Julius Roehrs, Jr., Jas. T. Scott; House and Entertainment—J. B. Nugent, Jr., R. M. Schultz, Robt. Koehne; Outing—H. A. Bunyard, R. G. Wilson, C. Schenck, J. K. Allen, W. G. Badgley, H. Weston, Phil. Kessler, L. Schmutz, Jr., John Birnie, Jos. Manda, A. G. Rasbach.

The treasurer reported a balance on hand of \$3,863.35. The award committee reported on exhibit of new pink seedling carnation by E. W. Euggren, 85 points with recommendation of preliminary certificate.

Resolutions on the death of the New York Florists' Bowling Club, were presented by Captain R. E. Berry and they were adopted by a rising vote.

After adjournment the members were hospitably entertained by President Miller.

CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club held its regular meeting Thursday evening and elected officers for the coming year. George Asmus is re-elected president, Harry Philpott of Winnipeg is vice-president, Ed. Winterson, treasurer and Louis Winterson, secretary. The new members of the board are H. N. Bruns, J. P. Degnan and Alex. Henderson. After election the members took up the discussion of the use of artificial flowers and the practice was condemned. No action was taken. After the meeting many went to Flenner's to witness the sixth annual tournament being held by the Chicago Bowling Association. In this tournament the Chicago Florists' Club has not been so successful as had been anticipated. The Florists' Bowling Club played its regular league game on Wednesday.



FIELD OF LILIUM LANCIFOLIUM RUBRUM.

At Farquhar Nurseries, Roslindale, Mass.

FLORISTS' CLUB OF WASHINGTON.

The first meeting of 1910 was held at Gude's Hall. This meeting was in the nature of a Colonial Smoker, and after the meeting adjourned a social hour followed in which refreshments were served. A very cute souvenir was given each member in shape of a clay pipe. Gude Bros. made a fine exhibit of sweet peas.

A new by-law was adopted by which applications for membership must be referred to a credential committee of three, who will report at the second meeting. President Kramer appointed the following men members of the committee: W. W. Kimmel, O. A. C. Oehmler and Bolling of Chevy Chase.

It was decided that the February meeting be made a ladies' evening, and the following committee be appointed to select hall, refreshments and other details, viz.: George Cooke, chairman, John Robertson, Ed. S. Schmid, W. Marche, W. W. Kimmel and O. A. C. Oehmler. It is proposed to make this meeting a very enjoyable affair. Nomination of officers will be in order at next meeting.

NEW ENGLAND DAHLIA SOCIETY.

The annual meeting of this organization at Tremont Temple, Boston, on the evening of January 12, was quite exciting for a time, the quarrel of several months' duration between two factions, coming to a focus. It was finally decided to leave all differences to the new executive board for adjustment.

Officers were elected as follows:—President, Henry W. Kendal, Newton; vice-president, E. B. Gill, Medford; secretary, Loring M. Bates, West Bridgewater; treasurer, Wilbur D. Moon, Lynn; executive committee, C. N. Bacon of East Boston, J. H. Flint of Salem, George A. Rawson of Newton, N. Allen Lindsey of Marblehead, T. H. Tyndale of Boston.

CLUB AND SOCIETY NOTES.

At the meeting in Horticultural Hall, Boston, last Saturday, there were on exhibition a nice group of *Primula sinensis* from Martin Sullivan, gardener to Mr. W. Whitman, and a new vermilion colored cineraria from W. C. Rust, gardener to Dr. C. E. Weld.

The Western New York Horticultural Society will hold its 55th annual meeting at Convention Hall, Rochester, N. Y., on January 26 and 27. This society has 1400 members and W. C. Barry is president. The program covers a multitude of useful topics. A round trip rate of one and three-fifths regular fare has been granted from any part of New York State.

ROSE MISS OCTAVIA HESSE.

"Fraulein Octavia Hesse," which is the subject of a colored plate in the last issue of *Rosen Zeitung*, was produced by H. A. Hesse of Weener, Germany, from a crossing of a *Wichuraiana* hybrid with *Kaiserin Augusta Victoria*. It is described as strong growing, making growths up to 9 ft. in one year. The foliage is large, with 5 to 7 leaflets, light green and very dense on the plant. The flower buds are similar to *Kaiserin*, blooms double, medium sized, but considered large for a *Wichuraiana* cross, pale yellow deepening to orange in centre, tea scented and very lasting; produced singly on long stems or in clusters. The rose has been tested several years and has proved very hardy, and not only an excellent subject for pergolas and pillars, but for cut flower uses.

IN BANKRUPTCY.

Stoneham, Mass.—James H. Delay; liabilities \$3,540.71; assets uncertain.

BUILDING UP A RETAIL TRADE IN A GROWING COMMUNITY.

Read before the Florists' Club of Philadelphia Jan. 4th, 1910, by Edw. A. Stroud.

In addressing you on the subject of building up a retail trade in a growing community, I will tell you a few of my experiences and some of the methods I have employed in conducting a retail business which I established some years ago in Overbrook. It is possible for a florist in town to confine himself to a few departments of the business and make a success of it financially, but I do not think this is possible with a florist in the suburbs. To make his business a success he has to take up many different lines of work. He should be a landscape gardener, a grower of plants and flowers, a decorator, and in fact a general all-round man.

After a family has moved from the city, with its confined quarters and few opportunities for the cultivation of taste in the planting of their grounds, and as a rule, with little or no knowledge in this direction, it is of vital importance that the suburban florist be well versed in this department, so that he may advise them wisely and correctly.

If the suburban florist is fortunate enough to have some ground, in addition to his greenhouses, where he can show his customers results which may be obtained in the immediate vicinity, he could give them object lessons; this I believe would accomplish more good than any catalogue he could issue.

For example: The hardy border, with the best and up-to-date perennials; the rose garden; the spring show of bulbs, pansies, forget-me-nots, and English daisies; the peony bed, with its varieties neatly labelled. The summer garden filled with annuals and new cannas, the fall border with late asters and helianthus, followed by the hardy chrysanthemums. Some years ago there was not a May-flowering tulip in Overbrook; from the method described I sold this fall some 15,000 bulbs, and from a small bed of columbine last spring I sold 1000 plants.

Now, of course, to carry on this business it is necessary to make desirable connection with the nurserymen, seed and plantsman, and also the wholesaler of cut flowers, acting as their agent. Let me give you an example: For instance, when Mr. A. comes along and admires a certain beautiful rose in bloom, and desires one, you take his order, go to the 'phone, order the same, and thus make a quick turnover with comparatively little labor.

My idea of a retail business in a growing community is to use your glass principally for show houses, keeping them supplied from the large growers. It is foolish to try to compete with them in the growing line. An important factor is the sale of house plants. There is scarcely a home in which there is not a growing plant. Then, too, a great many people enclose their porches with glass in winter time, making a temporary conservatory, to be filled with foliage and flowering plants, which of necessity must be replaced from time to time, making a profitable source of income.

AN APHINE TEST

ON

Sweet Peas and Double Violets

**Violets and
Sweet Peas
a Specialty**

JOHN H. SLOCOMBE

FLORIST

555 Townsend Avenue

George E. Talmadge, Inc.,
Madison, N. J.

New Haven, Conn., Dec. 13, 1909.

Gentlemen:—We grow Double Violets and Sweet Peas and so cannot use Cyanide after Peas are up in November. We have not yet found an insecticide that would kill green and black fly and not give the Violets spot—or as Cyanide kills Peas, and tobacco spots, we would like to know what tests you have made on Double Violets and Sweet Peas. If your goods fill the bill we can use a lot of it.

Yours truly, J. H. SLOCOMBE.

OUR REPLY

(Madison, N. J., Dec. 20.) "Replying to your favor of the 13th inst., we are today sending you a sample of Aphine that you may try it on your plants to see whether it will do the work for you. This will be more satisfactory to you than any promises we may make as to what Aphine will do. We will appreciate it if you will advise us of the results of your test."

THE RESULTS

(New Haven, Conn., Dec. 29, 1909.) "Your sample of Aphine received and tested a few days ago. It looks to us like a good thing, so we are enclosing check for \$2.50 for one gallon of same. "Yours truly, "J. H. SLOCOMBE."

(Western Union) New Haven, Conn., Jan. 4, 1910. Ship immediately C. O. D. ff two gallons Aphine. J. H. Slocombe."

ANOTHER PUBLIC TEST OF APHINE

Has been arranged, to be held at the Boston Flower Market, Boston, Mass., on Saturday, January 22d, 1910.

(Further particulars in next week's issue of this paper.)

If you are not familiar with the new insecticide discovery, APHINE, send for descriptive circular.

If your supply house does not yet handle it, write us for names of our nearest selling agents.

\$2.50 per gallon.

Used at an average strength of 1 part APHINE to 15 to 40 parts water.

APHINE MANUFACTURING CO.
Madison, N. J.

The sale of Christmas and Easter plants is so universal that its importance need hardly be mentioned.

After spring comes the spring bedding which, probably, taking the whole season through, embraces the biggest volume of the work. Of late years this department has grown to such an extent that I depend entirely on the large growers of bedding plants, placing my orders early so as to insure a good quality of stock. It seems to me there is a great deal more money to be made in buying geraniums at \$18 per 1000 out of 2½ inch pots in February, and selling them for \$80 per 1000 from 4 inch pots in May and June, than by growing them myself; besides I can then confine myself to a few specialties which oftentimes I cannot buy.

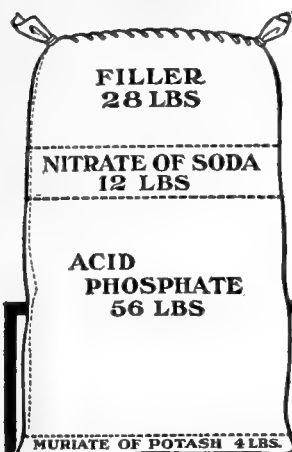
Under the head of bedding plants, comes the filling of porch-boxes. I have been trying to get away from the usual filled box of geraniums, coleus, petunias, verbenas and cheap vines; using instead, such decorative plants as crotons, pandanus, dracaenas, ferns, etc. The cost of filling such a box as I have described is considerable more; instead of \$2.50 to \$3.00, running from \$8.00 to \$10.00, but wherever I have used them, they have more than pleased, and repaid the pur-

chaser. The reason being that they give an immediate effect, combined with lasting qualities if given proper attention. Also at the approach of frost the boxes can be taken into the conservatory.

The sale of cut flowers is the next branch of importance. My experience has been that one cannot get or expect to get the same prices as the city florist receives, for the reason that in a growing community the florist caters almost exclusively to a family trade, who wants the flowers but not the frills, considering a fancy, ribbon-tied box unnecessary. I have found that people of wealth like to buy flowers frequently at moderate rates, say from one to two dollars worth, but will not spend large amounts except on special occasions, when they will go the limit.

Even so, I have found at Christmas time very few among my customers who are willing to pay \$3 per dozen for red carnations, or \$25 per dozen for Beauties. To meet this demand for moderate prices, I have had to grow flowers which will satisfy the buyers, and at the same time give me a profit. These flowers which I grow for this purpose cannot always be bought at the wholesalers. The following varieties are some of them; starting in the

100 lbs. of an ordinary Fertilizer
(testing 2-8-2)

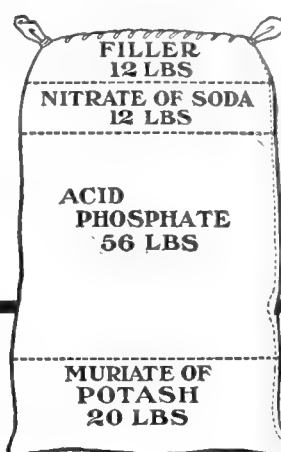


Needs Sixteen Pounds of
Muriate or Sulphate of

POTASH

to make it a 

Well-balanced Fertilizer
(testing 2-8-10)



If you prefer ready-mixed fertilizers, insist on having enough Potash in them to raise the crop as well as to raise the price.

Crops contain more than three times as much Potash as phosphoric acid.

It was found years ago that the composition of the crop is not a sure guide to the most profitable fertilizer, but it does not take a very smart man to figure out that a **balanced fertilizer should contain at least as much Potash as phosphoric acid.**

Insist on having it so.

Talk to your dealer and ask him to carry Potash in stock or order it for you. It will pay you both, for

If you do not find the brand you want, make one by adding enough **Potash** to make it right.

To increase the Potash 5 per cent., add 10 pounds of Muriate or Sulphate of Potash to each 100 pounds of mixed fertilizer; to increase it 10 per cent., add 20 pounds.

POTASH PAYS

For particulars and prices write to

GERMAN KALI WORKS, Continental Building, Baltimore

fall with the dahlias, cosmos, hardy-chrysanthemums, paper white narcissus. Later on the stocks, wall-flowers, schizanthus, daisies and indoor bulbs, following with the spring flowers—peonies, sweet-peas, Spanish iris, outdoor grown bulbs, etc. I have an arrangement by which I supply flowers once a week, on any day the customer desires, at \$1.00 and upwards a week. This plan has met with fair success.

In decorations the public seems to have more confidence in the town florist, thinking that he is necessarily more up-to-date and more competent. It is only by showing the people that we are capable of the same work as the town florist, that we are able to get them to trust us with their orders. The decorations and use of flowers and plants is an art which cannot always be acquired. It is not merely the mechanical part, but the knowing how to blend colors, and the proper arrangement to give the best effect. I have seen a bouquet spoiled where the mechanical work was excellent, but where the ribbon with which it was tied did not blend in color, and the trade of an artistic person was lost by this error. I feel we are in a transition stage in our business, when new methods and new ideas are needed. What was considered beautiful ten years ago is, in many cases, distasteful now. One point in which we are far behind other lines of business is in advertising. I would advocate the sending out with the monthly bills a small card, calling attention to some specialty which we have for sale during the next month. I am anxious to see our business put on a higher plane, to make it more of a profession, not

mere labor. It is a shame to see the way the shrubbery is butchered in our suburbs, just because the work is entrusted to anyone who comes along. We are far behind our European neighbors horticulturally, and we can only attain to their high standard by teaching the people that their grounds, gardens and plants should be taken care of by men who have been trained in all departments of the business.

There is great need for young men in this work. I would like to see a course in floriculture started in our colleges, on the same plane as the course in agriculture. For experimental purposes the public parks could be utilized. The school gardens are a step in the right direction. I do not know what our florist clubs are doing to help along this work, but they should do, as people are becoming more cultivated; the love of the beautiful is growing, and it is time for us to wake up. In many cases the public is far ahead of the florist, knowing far more about the business in general than he does.

I am afraid the desire to get money quickly has done more to put our business on a wrong basis than anything else. So many people have been advised incorrectly, and have gotten such poor results after a large expenditure of money, that they have given up in despair.

In conclusion I would not advise anyone starting a business in a growing community unless he is well trained and has sufficient capital to purchase enough ground to erect a store, office and greenhouse, in a prosperous locality. Even with this equipment it will require patience and probably a loss of money until one is

thoroughly established, after which I see no reason why it should not be a profitable investment.

PUBLICATIONS RECEIVED.

Eradication of Farm Weeds by Sulphate of Iron.—Published by Frank Baackes, vice-president and general sales agent American Steel and Iron Co. Sulphate of iron is a by-product of wire manufacture. This pamphlet tells some interesting facts regarding weeds and the efficacy of this chemical in eradicating them. Copies may be had on application to the office of the company, Commercial National Bank Building, Chicago, or Hudson Terminal Building, New York.

Elgin, Or.—R. C. Mays, E. G. Bailey and Sherman Chappell have leased 40 acres of land just south of town and will install a nursery with the opening of spring. An order for 40,000 trees with which to begin operations has been placed.



**A SUBSTITUTE
For Bordeaux Mixture**

For full description of this substitute, see page 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY

What "HORTICULTURE" Thinks of the New Rice Catalogue

¶ This beautiful album 11 x 14 inches, in covers of moss green with watered silk effect and embellished with halftone illustrations on heavy coated paper, is a credit to Messrs. Rice & Co., and the industry which they so worthily represent. "Don't turn your back on a good thing" is the motto on the introductory page. We should say that the florist who has not this useful book on his desk is certainly turning his back on a good thing. The illustrations are beautiful reproductions of beautiful handiwork, many of them new and representing every item of value to the up-to-date florist, from a complete wedding outfit of gates, kneeling stool, bell and vases, down to a toothpick. The issuing of such an elaborate work is an evidence of notable enterprise. The typographical make-up and finish are also of a high order.

Free to all in the trade enclosing their business card.

M. RICE & CO.

LEADING
FLORISTS' SUPPLY HOUSE
Of America
1220 RACE STREET

Phila.

PLANT COLLECTING IN CHINA.

The lecture hall of the Massachusetts Horticultural Society was filled with a splendid audience on Saturday, January 8, drawn by the announcement that Mr. E. H. Wilson, head of the Arnold Arboretum botanical expedition to Western China, would deliver a lecture on his experiences in that vast, hitherto unexplored, country. This was the opening lecture of the regular winter course, and certainly gave a brilliant start to the series. Mr. Wilson's talk was illustrated by upwards of sixty stereopticon slides, many of them superb views of majestic mountain scenery, others showing some of our popular plants and trees in their wild home.

"Any garden, greenhouse or florists' shop," the lecturer said, "will speedily prove to those interested how deeply indebted we are to the different parts of the world for the beautiful plants and delicious fruits we have around us and enjoy so much. It is true that the bulk of our every-day flowers and fruits are the result of the cultivator's skill, but the raw material necessary for him to work on had to be procured first. To secure this the world has been ransacked to such an extent that few countries remain unexplored. The subject of plant collecting in the heart of China is a subject vast and inex-

haustible, but well worthy of your attention."

Mr. Wilson said that during the ten years he had travelled in China he had collected some sixty thousand specimens, comprising about fifty-five hundred species, and sent home seeds of over fifteen hundred different plants. In concluding his talk he said:

"Though much work has been done, it must not for one moment be supposed that the Chinese flora is in any sense exhausted. Large tracts of country and even whole provinces have never had a plant collected in them. When it is remembered that in China every glen and mountain range possesses plants peculiar to it, it will at once be understood that the work is far from being completed. My last expedition recently concluded was promoted by Professor Sargent in the interest of the Arnold Arboretum. As a result of this expedition seedlings of nearly nine hundred different plants are at this present moment growing in the nurseries of that institution. Seeds and plants have been distributed in a most liberal way to ardent cultivators in this country and in Europe in order that in so far as possible nothing may be lost. The hardness of those new introductions is the crucial thing. This must of necessity be a matter for experiment. All that can be said at present is that in England these new Chinese plants have proved much hardier than was expected and are giving every satisfaction. Since deciduous trees and shrubs from China and Japan thrive generally better here than in England there is reasonable

hope that the majority of these new introductions, when established, will prove hardy around Boston. Should only a moderate percentage prove hardy they cannot fail to have great influence on our gardens in the near future.

"A writer in the recent Kew Bulletin declared the present to be the Chinese era in horticultural history. This is a strong term, but those interested will speedily learn that it is the simple truth. Plant collecting has its peculiar difficulties and disappointments. Nature herself, the birds of the air and the animals of the field, often seemingly combine to prevent the collecting of the seeds of this or that plant. But no collector, be he ever so energetic, can accomplish much unless ably supported by the men at home who handle the seeds and cultivate the plants. Delays in sowing the seeds, too much or insufficient water, and a hundred and one other things may ruin the work of the collector in the field. For my own part I have been very fortunate in this respect. In England my seeds were handled by the foremost propagators in that country; in America by Jackson Dawson and others. I take this opportunity of placing on record my whole-hearted appreciation of the care and attention these competent and skillful growers have bestowed on the seeds and plants I have been privileged to introduce."

A number of herbarium specimens of new rhododendrons, clematises and other handsome flowering plants collected by Mr. Wilson were on exhibition and were inspected with much interest by the audience after the close of the lecture.



Rhododendrons For Forcing.

To close out quickly we offer special values for an exceptionally fine lot of bushy shapely plants splendidly set with buds of best selling varieties:

	Per dozen.	Per 100
18 to 24 inches high, 10 to 15 buds.....	\$10.00	\$75.00
15 inches high, 6 to 10 buds.....	6.00	50.00

Azalea Mollis.

A splendid lot of bushy, well budded plants, 15 inches high, in fine shape for early forcing, \$4.50 per dozen; \$35.00 per 100.

Pot Grown Lilacs.

Charles X and Marie Lefraye, well budded, shapely stock, \$6.00 per dozen; \$50.00 per 100.

HENRY A. DREER

714 Chestnut St., Philadelphia, Pa.

CHICAGO NOTES.

The Wholesale District.

Many changes are taking place in the wholesale district since the coming in of the new year. The J. B. Deamud Co. has added two new employees, Nick Miller of Park Ridge, and T. C. Yarnell, formerly with the American Florist. January 10th, the buyers found the Randolph corner of the Allas block vacant and Frank Bentley missing. He was later located at the further end of the hall with Kyle & Foerster. The stock from New Castle, Ind., will be shipped to this firm. Leonard Kill is no longer at Peter Reinberg's and various other changes are rumored to be under way with this house.

Notes General and Personal.

Note on death of Mrs. Josephine Garland will be found in obituary column.

C. Frauenfelder, who has been seriously ill with pneumonia, is improving at this writing.

A continued scarcity of coal is causing anxiety to the florists, and the big concerns are generously helping carry the smaller ones.

Tall, slender vases are more popular this season than the low effects, carrying the flowers well above the heads of the guests and arranged with drooping effect are very graceful.

A. I. Simmons, retail florist at 63rd street, has moved temporarily to the opposite side of the street while his store is being remodelled. Mr. Simmons, who has been in poor health for several years, is now much improved.

Mr. and Mrs. Harry Philpott, of Winnipeg, B. C., were in the city last week. Mr. Philpott says the flower business done by his firm this winter in that extreme northern climate has been very good. Their flowers are shipped from Chicago, Minneapolis and Toronto, and though the thermometer registered 35 degrees below zero not a box has been lost by freezing.

Visitors: J. S. Wilson of Des Moines, Iowa; G. Sheppard, representing A. M. Sheppard & Son of Minneapolis, Minn.

NEPHROLEPIS ELEGANTISSIMA COMPACTA

Another New Fern Originating with Us. To be introduced Fall, 1909.

Of all the valuable introductions in ferns that we have sent out, beginning with the Pierson (Nephrolepis Piersoni) we consider *Elegantissima compacta* the most valuable of all, particularly from a commercial standpoint. While this resembles *Elegantissima* in a general way, it is far superior to that variety, on account of its perfect habit. Yet it can hardly be compared with *Elegantissima* except in a general way, because it occupies a place by itself, and is as distinct from *Elegantissima* as that variety is from Piersoni, — in fact, it bears the same relation to *Elegantissima* that Scottii does to Bostoniensis.

Elegantissima compacta has an ideal habit. The fronds are considerably shorter than those of *Elegantissima*, and it is a more compact plant. It throws a great many more crowns naturally, making a very bushy, dwarf, compact plant. The difference between the two varieties can be seen at a glance.

Fine, strong plants, 2 1/4-in. pots, \$5.00 per dozen, \$35.00 per 100; 4-in. pots, \$7.50 per dozen, \$50.00 per 100; 6-in. pans, \$1.50 each; 8-in. pans, \$3.00 each.

We make a specialty of all kinds of Nephrolepis, carrying a large stock of all sizes at all times, — Piersoni, *Elegantissima*, Superbissima, Bostoniensis, Scottii, Whitmanii, Amerpohli, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES,

CASH WITH ORDER

4911 Quincy St.,

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Assorted Varieties

From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

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PALMS, FERNS AND DECORATIVE PLANTS

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NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2 1/4-in. stock, \$25.00 per 100.

WHITMANII

2 1/4-in., \$40.00 per 1000; 3 1/4-in., from Beach, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

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NEW YORK CITY

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices.

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum seiptrum.

LAGER & HURRELL, SUMMIT, N. J.

Seed Trade

About Potatoes.

With so many leading lines of the 1909 seed crops short, but little attention has been given to seed potatoes by the trade in general, yet if we are to believe reports apparently trustworthy, from Maine, a very serious situation awaits solution. As far back as last October we received information indicating that Maine potatoes were rotting badly, and warned the trade of the fact in a current issue of HORTICULTURE.

In the interim so many matters have claimed attention we have not given much thought to potatoes, but in the last few days our attention has again been directed to them, and we find that our information of last fall had a pretty solid basis of fact. How much of the Maine stock is affected is not very definitely known, but enough to lay practically the entire crop under suspicion.

It is only fair to state here that the information we have received is somewhat contradictory, some correspondents saying that the damage has been greatly exaggerated, and charging dealers of other states with responsibility for these stories. While there is doubtless some truth in these charges, it is not unreasonable to say that "where there is so much smoke there must be some fire," and doubtless Maine potatoes are damaged to a considerable extent. On the other hand, New York and Michigan stocks are fine, though the crop is light and the tubers not as large as they are some years. Summing up the situation, it looks as if good clean stock wherever grown will be in demand at strong prices, and no one who has such stock has any license to worry.

California Seed Products.

Prices on California seed products show a general shading off from last year, which is in marked contrast to the general situation. Beets, including mangels, beans, peas and all vine seeds are on a higher level of prices than last year for the 1910 crops, and while we have no definite information on sugar corn, the impression is that prices will be somewhat higher.

It is gratifying to note that in the main these advances have been accepted philosophically by the seed trade, while the canners after more or less violent remonstrances find themselves compelled to accept the situation.

There are two reasons why the canners have been less tractable than the seedsmen: One is that they are not so well informed as to conditions justifying these advances, and the other, the low prices ruling on their products, and the stagnation affecting many lines of their industry, and particularly canned peas.

The Canners' Interests.

While nearly all food products have advanced enormously in price in the last decade, canned foods have changed very little, although the cost of manu-

facture has greatly increased. Bearing these facts in mind, one cannot wonder at the canners' rebelling against anything that would add to the cost of their products. There are many signs of an improvement in the canned goods market, and it is hoped this important industry may share in the general prosperity.

A Mail Order Tip.

It is yet too early in the year to give anything approaching a reliable forecast of what the mail order business will be for the coming season, but it is noted with general satisfaction that indications are distinctly favorable.

The death of Frank Finch, the mail order seedsman of Clyde, N. Y., leaves a fine opening for a man of ambition and moderate capital. It is said that the business can be acquired at a very low price, and it is a really valuable enterprise. We learn that the entire edition of his catalogue for 1910 is printed and awaits distribution. This edition exceeds 100,000 copies. Who wants this business? Anyone interested should act quickly. Address Estate of Frank Finch, Clyde, N. Y. This is the tip we get.

The Department on Adulteration.

A fine superstructure of fallacies can be built up on a basic misstatement.

The Department starts out on its holy mission in this wise:

"Farm seed is considered to be adulterated when it contains seed of inferior kind or quality in excessive quantity."

This is aimed at the seedsman, as a matter of course, but how does it affect the farmer if he cuts a crop and finds an excessive quantity of an inferior quality? Is the farmer an adulterator? The Department is out, apparently, to lash the seedsman so as to curry favor with the farmer vote, but the weapon is one that cuts the farmer also!

The next sentence of the Department's manifesto is as follows:

"When inferior seed is present in considerable quantity it is naturally presumable that intentional adulteration has been practiced."

Is that so. In the name of the seven motherless cats, why? Why is it "naturally presumable?" If the harvest of a field in the rough state contains a considerable quantity of inferior seed—it has been adulterated! Who adulterated it? The softly blowing winds, the birds of the air, or the fishes in the sea? The mere statement of such a proposition is quite sufficient to laugh it out of court.

Yet that is the basis on which the Department launches a 24pp. pamphlet on seed adulteration, written by F. H. Hillman. It is a pity that the animus and special pleading should be so evident as there are some useful information and illustrations in the pamphlet—explaining and illustrating the appearance of various grasses and forage seeds, found either separate or in mixture. The value of the information is largely discounted, however, on account of the malicious and unfounded inferences intended.

The sooner the Department departs from the unwarranted use of the word "adulteration" in regard to the American Seed Trade the better it will be

for its own honor and good standing. It has everything to lose and nothing to gain from such unfair tactics.

Notes.

W. H. Grenell, of Saginaw, Mich., a late high official in the American Seed Trade Association—and a distinguished wholesale grower of peas and beans—in a recent interview, highly complimented HORTICULTURE on its excellent forecasts of seed crops from time to time. He considered such articles of the greatest value to the seed trade, and the best of their kind issued by any trade paper.

You wouldn't think so if you hadn't tried it, but sweet peas are one of the hardest things to work into an effective catalogue cover. A Los Angeles firm (Germain S. & P. Co.), in their 1910 seed book have achieved what has heretofore been considered impossible: a really artistic, effective, and striking design cover, composed entirely of sweet peas. Nothing approaching this has ever been done before. Who was the artist?

Fremont, Neb.—During the past year the Western Seed Company enlarged its plant in the Factory district with an addition 36 by 42 feet, four stories high. This increases the storage capacity 20,000 bushels of grain and gives additional space for the sacking. Two conveyors were added which doubled the cleaning capacity. Additional elevators were also put in so that two cars of grain may be unloaded at the same time. Improvements were also made in the sorting room that will facilitate the work and more windows were put in, giving the sorters additional light.

UNIFORMITY OF VARIETAL CHARACTER IN GARDEN VEGETABLES.

Read by Dr. William W. Tracy, Bureau of Plant Industry, before the New Jersey State Horticultural Society, Trenton, N. J., Dec. 22, 1909.

(Continued from page 50)

Results of Department Trials.

The Department of Agriculture at Washington has made a trial extending over three seasons of more than 225 samples of garden beet purchased under 175 more or less distinct varietal names. Sixty to 80 roots of each sample were grown, and each season it would have been possible to gather all of the roots into some 23 to 25 groups so that all the roots of each group would be more uniformly of the same varietal character than were those of a majority of the different samples. In most cases, less than half of the roots of any single sample could be rightfully put into the same group, and there was less than a score of samples in which as many as 75 per cent. of the roots could be grouped together. Many of the samples were made up of quite distinct varietal forms in such even proportions that it could not be told which one of them the name was supposed to stand for.

There is undoubtedly less of such variation in the common commercial

stocks of some vegetables than we found in the beets, but it exists to a greater or less degree in all. It is evident that this is not a desirable condition, and we think it can be fairly ascribed to a general want of appreciation of the importance of an accurate conception, and explicit description of distinguishing varietal characteristics.

Some Catalogue Defects.

The country is flooded every spring with the beautiful seed catalogues filled with illustrations and glowing descriptions of the sorts offered, but which are often wanting in definite varietal description. I pick up the first catalogue which comes to hand, which is the 1910 descriptive catalogue of the seeds offered by a reputable seedsman not 300 miles from Trenton. I found it a beautifully printed book of 80, 8 by 10 pages, 38 of which are devoted to descriptions of the vegetable seeds offered, the verbal description being supplemented by more than 70 most excellent half tone engravings. Turning to the two pages devoted to garden beets I found that 1460 words and 5 excellent half tone illustrations are devoted to the description of the 19 different varieties offered. Now there may be difference of opinion as to the space which should be given to different varietal characteristics in a description of garden beets, but certainly such a description would be very incomplete if it did not include some reference to such points as the shape of the root, the outside color, and the color of the flesh. We find that in the description of the 19 varieties offered in this fairly typical catalogue, the shape of the root was well shown by illustrations in the case of four varieties, was more or less fully described by the use of from one to eight words, in the case of nine others, but was not referred to in any way, either direct, by classification or inference in the case of six. The outside color, certainly an important varietal character, was described by the use of from one to seven words in the case of twelve sorts, but there was absolutely nothing regarding it in the description of the remaining seven. In only eight of the 19 sorts was there any reference to the color of the flesh. In only seven of the description was the size or color of the leaf or leaf stems referred to in any way. This catalogue was gotten up and distributed by a shrewd and successful business man at no inconsiderable cost of time and money for the purpose of inducing planters to buy the seed he had to offer, and if the descriptions are incomplete it is so because the seedsman thought that fuller descriptions would not increase his sales sufficiently to warrant the expenditure. Again, there is often a material difference in the cost of growing seed of different varieties of the same species, and seedsman in accordance with what

is regarded as good business practice will endeavor to push the sales of the sorts which bring them the greatest profit. Some of the most valuable varieties ever originated have never come into general use, and have even been lost because the seed could not be grown and handled as profitably as that of other sorts.

The Greatest Needs of Today.

The greatest needs in modern horticultural practice is first, a more complete and accurate knowledge on the part of the planter of varietal differences, their economic value, and adaptation for his own condition of soil, cultural practice and market requirement, and second, the raising of stocks of seed which will be more uniform in varietal character. Development of the first will surely be followed by improvement of the second, for when the planter comes to know the exact varietal character which is best suited to his needs, and intelligently calls for truer and more even stock of that exact sort, the seedsman will be forced to supply it in order to hold the business. Such a knowledge of varietal differences and their value can only come through carefully conducted and studied varietal trials, made not only in the immediate vicinity of the planter, but at other points as well, to emphasize the importance of trials in the immediate vicinity because very often there are adaptations to local conditions and requirements which would only be shown in a local trial, but it is well that such a trial be supplemented by a careful study of those made elsewhere in order to gain the advantage of repeated trials and a possible advantage from a difference in cultural methods and conditions. In such trials clearly discernible char-



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Martial Bremond of Olloulous, France, is the largest grower of strictly first class French bulbs in existence. His clientele is composed of the most critical buyers all over the world. They are men who have bought Bremond products for many years, and know the value of his bulbs. Horse-shoe Brand Products in French bulbs are "Bremonds" and which means that they are the best the market affords, in the various sizes offered.

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Not How Cheap
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LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

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NEW BERRIES

Send for our up to date tested berry plants catalogue.

Berrydale Experiment Gardens
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Dahlias and Gladiolus BULBS

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Every Florist Who Grows Asters

Should send for our Aster book immediately. Get your name on our files for our regular Florists' Wholesale Catalogue. These books are free.

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DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

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PALMS, All Sorts and Sizes

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LILIES PLANTS
BAMBOO STAKES

MICHELL'S NEW CROP FLOWER SEEDS

VERBENA

MicHELL's Mammoth Fancy Strain

Cannot be excelled for large size, purity of color and free flowering qualities.

	Tr. Pkt.	Oz.
Blue	\$0.30	\$1.25
Pink	.30	1.25
Scarlet	.30	1.25
Striped	.30	1.25
White	.30	1.25
Mixed	.30	1.00

IMPATIENS

	Tr. Pkt.	Oz.
Holstil Sultan	\$0.50	
	.30	

MOON FLOWER

Ipomaea Noctiflora per 1/4 lb.	\$1.50	.15	\$0.50
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MAURANDYA

Barclayana Purple	.20	1.25
Mixed	.20	1.25

PYRETHRUM

Aureum	.10	.25
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SMILAX

Per 1/4 lb.	\$1.00	.10	.30
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ASPARAGUS

PLUMOSUS NANUS

New Crop. Greenhouse Grown

100 Seeds	\$0.50
500 "	2.00
1000 "	3.50
5000 "	16.00
10000 "	30.00

ASPARAGUS SPRENGERI

100 Seeds	.15
1000 "	.75
5000 "	3.00

HENRY F. MICHELL CO., Philadelphia

acters which of themselves are of no practical utility may become very important because of their correlation with invisible and intangible qualities which are of great practical importance. For instance, the character of the point of a bean pod is of itself of no economic importance, but it is an indication of the relative development of woody fiber, and the consequent stringiness and quality of the pod, and such illustrations might be multiplied indefinitely.

Possibly some of you may think that the study of slight varietal difference is not very important work, and is hardly worthy of the attention of the scientist. Others may think it is not of practical importance and time would be more wisely spent in compounding a properly balanced food ration or spraying material or designing a "snide" package that will look larger than standard, but when one is studying natural forces and conditions, nothing is too small to be worthy of most careful study, and the discernment of what may seem to the superficial observer to be trifling differences, may be of the greatest importance.

All education is simply the training of the mind to note differences and what they stand for. Your child goes to the kindergarten and learns to note the differences between a full circle and one that is open on one side with the upper end turned back, and one that is open on the side with the lower end turned back, and that the first stands for O, the second for C, and the last for G, and if he even becomes an Agassiz or an Edison, it is because he sees and comes to understand the significance of a difference in the bones of a fish or the color of an electric spark which you or I either could not see at all or would regard as of little importance, certainly as not worthy the attention of a great scientist. The differences in the broken circle of the letters stand for nothing to the Indian, but he follows a track in the forest by means of the direction in which the broken twig hangs or upturned leaf lay which would signify nothing to an Agassiz or an Edison. The direction in which a broken twig falls or the shape of a fossil bone may mean nothing to us, but the shape of the cotyledons of seedling lettuce or the color of the flowers on a bean plant does or it ought to, and we will raise lettuce and

beans which will best meet our conditions and requirements in proportion as we come to note such differences and use seed which will more uniformly develop into plants of the exact varietal character best suited to our conditions.

GERMAN DEMAND FOR TOBACCO EXTRACT.

Consul-General Robert P. Skinner, of Hamburg, calls attention to the increasing demand in Germany for this American product:

Small supplies of the American extract have been sent to the large nursery gardens in Halstenbad, Pinneberg, and elsewhere, and have given what are described as "astonishing results." Plant pests of various species which pursue their work of destruction both above and under the soil have been successfully combated with a solution of 1 to 400 parts of water, the dose varying according to the nature of the plants treated.

A still greater demand for this article is in a fair way to be created among vineyard owners whose vines have been suffering without known remedy from "sauerwurm," or traubenwichter (conchylis ambigua Huba) a genus of the Tortricidae. This is a vineyard moth commonly found in Germany, Switzerland, France and northern Italy, and of a genus related to that known in the United States as the grape berry moth, concerning which a pamphlet by Mr. V. Seingerland was published by Cornell University in 1904. This moth flies in two generations annually; the first in April and the second in June or July. The brownish red caterpillar lives from the middle of May until the middle of June as the "heuwurm," and from the end of August until the end of September as the "sauerwurm." The pupa of the former is lodged in the leaves of the vine, which are rolled up by the caterpillar, while the latter hibernates in cocoons on the trunks and trellis posts of the vines. These caterpillars feed on the blossoms or newly formed fruit of the grape cluster and work great damage.

Various methods of destruction have been adopted, including the sprinkling of chemicals over the vines, and the trapping of the moths on glue-coated fans to which they are attracted at night by lamps or fires, and finally by burning the hibernating pupae after scraping them from the trunks and

trellises. The remedy, in most cases, proved to be only moderately efficacious, and damaged the quality of the wine almost as seriously as the worms themselves.

Some eighteen months ago a Hamburg importer of American tobacco extract brought it to the attention of the Konigliche Weinbau-Versuchstation at Neustadt on the Haardt, by which excellent organization it was carefully tested, eliciting on November 2, 1909, the following words of commendation: "Your product has, indeed, shown better results than any other chemical applied." My informant was so encouraged by this report that he is preparing to do a very large business.

Useful addresses in connection with the German importation of tobacco extract may be obtained from the Bureau of Manufacturers.

SULFOCID.

In the multitude of sprays of varying value which now flood the country this product of the B. G. Pratt Company, the introducers of the well-approved "Scalecide," stands out as being a compound of the highest value and efficiency with the lowest comparative cost. The introducers have a plentiful supply of testimonials to show and these and all other desired information can be had for the asking. See advertisement.

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1000—\$11.00. Case of 2500—\$26.00

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This popular flowering plant is coming into greater vogue than ever, not only as a pot-plant for house decoration, but also for cut-flower purposes. Our strains of Gloxinias are the true erect flowering type, grown by a specialist in Europe.

	Doz.	100	1,000
Blanch de Vera. White, rose bordered.....	\$0 60	\$4 25	\$40 00
Defiance. Glistening crimson.....	60	4 25	40 00
Emperor William. Blue, white border.....	60	4 25	40 00
Etoile de Fen. Carmine-red.....	60	4 25	40 00
Kaiser Frederick. Scarlet, white margin...	60	4 25	40 00
King of the Reds. Dark scarlet.....	60	4 25	40 00
Madame Helene. White, with violet crown..	60	4 25	40 00
Marquis de Peralta. White, red-bordered..	60	4 25	40 00

	Doz.	100	1,000
Mont Blanc. Snow-white.....	\$0 60	\$4 25	\$40 00
Prince Albert. Deep purple.....	60	4 25	40 00
Princess Elizabeth. White, bordered blue..	60	4 25	40 00
Princess Mathilde. White, with rose crown	60	4 25	40 00
Queen Wilhelmina. Dark rose.....	60	4 25	40 00
Boddington's Spotted Varieties. These contain the most distinct and remarkable colors..	75	5 00	45 00
All Colors Mixed.....	50	3 75	35 00

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Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, Oz. Tr. Pkts	
6 Tr. Pkts \$1.25.....	.25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts.	
\$1.25.....	.25
Phlox dwarf Fireball.....	.35
" " Roseball.....	.35
" " Snowball.....	.40
" " Cecily, all shade mixed	.35
Salvia Zangen's Fireball, fine for pots early.....	.50
Salvia Zangen's King of Scarlets late	.50
" " Zurich, earliest dwarf	.50

For Other Seeds See My New Catalogue.
IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.

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Best quality Vegetable, Flower and Farm Seeds, Alfalfa, Clover, Seed Potatoes, etc. We will send free with catalog a packet of our New Coreless Tomato, the best of all tomatoes. Do not fail to try our beautiful collection of Vegetable Seeds, best 5 varieties on earth, postpaid for 40c. We also carry full line of Nursery stock.

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Japonica, Multiflora and Floribunda

GLADIOLI, THE BRID, JAPANESE LILI S, LILY O THE VALLEY

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Cauliflowers CABBAGE

LILY OF THE VALLEY PIPS.

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BERMUDA LILIES

Harrisii and Longiflorum. Selected.
Lillium Longiflorum Giganteum C. S.
by the case of 300.

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Bound Brook, - - - New Jersey

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TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
26 & 27 So. Market St., BOSTON, MASS.

CABBAGE	Wakefield and Succession.
	\$1.00 per 1000. \$8.50 per 10,000.
PARSLEY	25 cts. per 100.
	\$1.25 per 1000.
LETTUCE	Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
	(CASH WITH ORDERS)
	R. VINCENT, JR., & SONS CO.
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Blue List of Wholesale Prices mailed only to those who plant for profit.



Stock Seed

Fiske's Branching in all colors. Tr. pkt 4cc. oz \$4. 0.

Pure White. Tr. pkt. 5 c. oz. \$1.00.

Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
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High Grade Cut Blooms**

We cover all Michigan points and good
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Coates House Conservatory
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Both 'Phones 2670 Main.



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Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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Pres.

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will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

New York City.—The Climax Manufacturing Company, of Castorland, N. Y., manufacturers of lock-corner, easy-folding boxes for florists' use, have opened a New York office at 20 East 42nd St. Mr. U. C. Hirschy will be in charge and will appreciate calls from local or visiting florists.

Evansville, Ind.—Louis Fritsch, who has been in business here only a short time reports results so gratifying in his West Side store that, should it continue as it has begun, he will open a fine large store in the fall.

The West Side has about 10,000 population and is growing fast. Mr. Fritsch has two greenhouses located near the largest cemetery in Evansville and is now planning to erect two more in the spring.

Kansas City, Mo.—Sam Murray reports a tremendous holiday trade. "Plants, plants, Lorraines leading, and they were fine, well hardened up." These last three words speak a volume for anybody who wants to succeed in the plant business. "Well hardened up" is the foundation on which the

STEAMER DEPARTURES

Allan.

Pretorian, Boston-Glasgow....Jan. 21

Cunard.

Carmania, N. Y.-Med't'n.....Jan. 22

Lusitania, N. Y.-Liverpool....Jan. 19

French.

La Lorraine, N. Y.-Havre....Jan. 20

North German Lloyd.

Pr. Fr. Wilhelm, N. Y.-B'm'n....Jan. 18

Kronprinz Wilhelm, N.Y.-B'n.Jan. 25

Red Star.

Lapland, N. Y.-Antwerp.....Jan. 22

White Star.

Arabic, N. Y.-Med't'n.....Jan. 20

Baltic, N. Y.-Liverpool.....Jan. 22

Philadelphia, N. Y.-S'ampton..Jan. 22

commercial plant industry must stand. Mr. Murray says that he sold 3 in. top cuttings for 50c. each up to \$20 for 12 in. Quite a few for \$18, \$15, \$12—lots at \$10, \$5, \$3, \$2 each. Properly grown the Lorraine begonia is in the very first rank of flowering plants.

Reports from the WASHINGTON retailers are to the effect that not in years has there been such a rush of debutante orders and the prices have been exceptionally good. Flowers are fine, and plenty of them to meet demand. Washington is still in the grasp of the Ice King and there is no promise of better things in the near future. The law of compensation holds good to the florist, though, for prices are still stiff—and no indications of weakening. American Beauties are in the lead in demand and bring \$10 to \$12 per dozen.

New York City.—The Greek-American Florists' ball will take place on Monday, Jan. 17, at the Terrace Garden on East 58th street. It will be, as usual, no doubt, a big and memorable success.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Flowers or Design Work

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ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N. Y.

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Choice Flowers and
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Can be relied upon when you transfer your
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Send flower orders for delivery in Boston and all New England points to

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124 Tremont St., Boston

CHAS. EBLE**Florist**

121 Baronne St., New Orleans, La.

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Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

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C. C. Pollworth Co.WILL TAKE PROPER
CARE OF YOUR ORDERS IN Wisconsin**THE BOSTON
CUT FLOWER CO.**

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston**WELLESLEY COLLEGE**Dana Hall, Walnut Hill and Rockridge Hall
Schools. TALBAY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.**PERSONAL.**

Jas. L. Carbery, of Washington, D. C., has been seriously indisposed from a second attack of grippe.

Peter Bisset, who has lately accepted a position with the Agricultural Department at Washington, will be sent by that office on a seventeen weeks' trip, which will take in Florida, California, Texas and some of the West Indies.

Claude M. Hamilton and Miss Maude M. Pearce were married at Kewanee, Ill., on Dec. 29. Mr. Hamilton is a member of the florist firm of Hamilton & Plumber, and his bride was bookkeeper for the firm. Claude and Maude will please accept congratulations.

Visitors in Boston: Henri Beaulieu, Woodhaven, N. Y.; James Robertson and Alex. MacLellan, Newport, R. I.

EVERY FLORIST HAS BEEN THERE.



Lady Customer—"Mr. Pansy, I would like to know something about that bill you have sent my husband. Where were those roses and lily of the valley sent? The pinks I know about."

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Towns for Ready Reference.

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Albany, N. Y.—F. A. Danker, 40 Malden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Boston—Charles S. Champney Inc., Delta Building, Post Office Sq.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.
New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New Orleans, La.—Chas. Eble, 121 Baronne St.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Talby.

NEW FLOWER STORE.

Salem, Ore.—Ruef Bros., 123 N. Liberty street.

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Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**

GALAX, brouse and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

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Simple methods of correct accounting especially adapted for florists' use.

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SWEET PEAS, \$1.00 per 100.

GARDENIAS, \$3.00-\$4.00 per dozen.

PANSIES, \$8.00 per 100 bunches.

VALLEY EXTRA, \$4.00 per 100.
FIRST, \$3.00 per 100.

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Florists' Supplies

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CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Jan. 11		Jan. 10		Jan. 11		Jan. 13	
ROSES								
Am. Beauty, Fancy and Special...	30.00	to 40.00	30.00	to 40.00	40.00	to 50.00	30.00	to 50.00
" Extra	25.00	to 30.00	20.00	to 30.00	30.00	to 40.00	20.00	to 30.00
" No. 1	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	10.00	to 20.00
" Lower grades.....	5.00	to 10.00	10.00	to 15.00	5.00	to 10.00	3.00	to 8.00
Bride, 'Maid, Chateauy, F. & S.	6.00	to 10.00	6.00	to 8.00	10.00	to 15.00	8.00	to 12.00
" Lower grades.....	3.00	to 5.00	4.00	to 6.00	4.00	to 6.00	2.00	to 6.00
Killarney, Fan, & Sp.	6.00	to 10.00	6.00	to 10.00	10.00	to 15.00	15.00	to 20.00
" Lower grades.....	3.00	to 5.00	4.00	to 6.00	4.00	to 6.00	2.00	to 6.00
Richmond, Fancy & Special.....	6.00	to 10.00	8.00	to 12.00	15.00	to 20.00	10.00	to 16.00
" Lower grades.....	3.00	to 5.00	4.00	to 8.00	4.00	to 6.00	2.00	to 12.00
My Maryland	5.00	to 10.00	6.00	to 10.00	15.00	to 20.00	2.00	to 16.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	3.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 4.00
" Ordinary.....	2.00	to 3.00	2.50	to 3.00	1.50	to 2.00	1.50	to 3.00
MISCELLANEOUS								
Cattleyas.....	15.00	to 50.00	50.00	to 60.00	.....	to 75.00	.....	to 50.00
Lilies.....	10.00	to 12.00	12.50	to 15.00	12.50	to 18.00	12.00	to 15.00
Lily of the Valley.....	3.00	to 5.00	3.00	to 4.00	2.00	to 5.00	2.00	to 4.00
Violets.....	.75	to 1.50	.75	to 1.25	.50	to 1.00	.50	to .75
Mignonette.....	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Sweet Peas.....	1.00	to 1.50	.....	to 1.00	.50	to 1.50	.75	to 1.00
Roman Hy. Paper Whites.....	2.00	to 3.00	2.00	to 3.00	2.00	to 4.00	1.00	to 2.00
Trumpet Narcis.....	3.00	to 4.00	4.00	to 5.00	4.00	to 5.00	2.00	to 4.00
Gardenias.....	25.00	to 35.00	30.00	to 45.00	25.00	to 40.00	25.00	to 30.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 15.00	15.00	to 20.00	12.00	to 16.00
Asparagus Plumosus, strings (100)	50.00	to 60.00	35.00	to 50.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

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Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our GREENS DEPARTMENT we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 1000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our FLOWER DEPARTMENT, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

LONG DISTANCE PHONES, 26-7-2618 MAIN.

HO RBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone Randolph 2758. Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. ALWAYS GOOD, FRESH STOCK. Roses and Carnations Our Specialty.

Flower Market Reports

BOSTON A good steady demand has characterized this week's business, so far.

The market is gratifyingly strong—much more so than it was last week and with the exception of violets there is no downward tendency in values on any line. Flowers are of prime quality throughout. Carnations seem to realize that the convention in which their interests centre is close at hand and are doing their very handsomest. Altogether the situation is very satisfactory in all respects.

Trade the past week **BUFFALO** was much on the quiet side and stock of most kinds was had in abundance. Carnations are coming in more plentifully, the colored ones especially. Beauties and other roses were in good supply as well as other material generally. Narcissi are too plentiful and not moving. Jonquills are about the only thing in yellow and have had good demand.

Even the most optimist-
CHICAGO. ic do not feel altogether satisfied with the market since the holidays. Those who come nearest to it say it is about normal for the season. At any rate, the cold weather the florists were wishing for in November is here with compound interest, for the delay and zero weather continued for several weeks does not promote that extensive use of flowers so ardently hoped for. Social events among the wealthier classes are moving Beauties, orchids, etc., but the sale of carnations has been remarkably slow. It is an open question whether the high prices at Christmas have caused a lessening of the use of flowers by the masses or the prolonged cold weather has decreased the demand. Retailers say there is an unusual number of deaths, causing their trade to be mainly funeral work. Many wholesalers are complaining of the way the ferns are keeping this season.

Business here was
PHILADELPHIA rather dull and spasmodic last week—the usual condition week after New Year's. Carnations suffered more than roses—the former piling up by the end of the week to quite large proportions. The usual relief furnished by transient trade and the fakirs, did not materialize—on account of cold weather and bad walking. For that reason the general trade was distinctly below par as to tone and general results. Among roses, American Beauty was probably most congested. White roses, Easter lilies, lily of the valley, and mostly all white flowers were in demand, as there was a large amount of funeral work. Not long ago New York reports claimed Philadelphia was the dumping ground for Manhattan's

FRESH CUT FLOWERS

Shipped to all parts of New England and Canada. High grade carnation blooms our specialty, shipped direct from the grower to the retailer at wholesale price.

SHEPARD'S GARDEN CARNATION CO.
292 Fairmount Street, Lowell, Mass.



Out of the Ordinary Ribbons

To do the usual the ordinary way is not the P/M way or aim. To improve the old, discover the new and make our ribbons a little better always, is the quest worth while.

Every florist using P/M ribbons feels that he has the latest and choicest to be had and that his work has that exclusiveness and individuality about it not obtainable in using inferior makes.

A Few of our Leaders:—

Pattern Killarney

FOR THE KILLARNEY ROSE

Width	No.	Price
"	7	\$0.65
"	16	1.15
"	22	1.35
"	40	1.65
"	60	2.25
"	100	2.65
"	150	2.90
"	200	4.00

Pattern My Maryland

FOR THE MY MARYLAND ROSE

Width	No.	Price
"	7	\$0.65
"	16	1.15
"	22	1.35
"	40	1.65
"	60	2.25
"	100	2.65

Diamond Weave Lustrous Cattleya Ribbon

Made especially for the Cattleya. Remarkable for its brilliant lustre and peculiar diamond weave.

Width	Price	Width	Price
No. 60	\$2.00	No. 200	\$2.75

Faillentine Chameleon

PATTERN "SUPREME"

The latest novelty for corsage bouquets, remarkable for its chameleon like shadings, producing a very rich and beautiful effect.

We offer the following colors:—

	Width	Price
1. Violet shaded with green	No. 7	.65
2. Green shaded with violet		
3. Light cattleya shaded	No. 9	.85
4. Dark cattleya shaded		

For American Beauty and Richmond

PATTERN "1614"

This pattern is one of our leaders; it is a beautiful heavy, lustrous taffeta, and is made in special shades for the American Beauty and Richmond Roses.

Other shades in the same Pattern are:—
Foliage Green, Nile, Violet shaded with Green, Green shaded with Purple, Pink shaded with White, Cattleya, and Green shaded combination for Croton Foliage etc.

No. 80. Price \$3.00.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Jan. 11	DETROIT Jan. 11	BUFFALO Jan. 11	PITTSBURG Jan. 11
ROSES				
Am. Beauty, Fan, and Sp.....	30.00 to 50.00	..... to	40.00 to 50.00	40.00 to 50.00
" Extra	15.00 to 25.00	35.00 to 40.00	20.00 to 30.00	20.00 to 30.00
" No. 1	10.00 to 12.00	25.00 to 35.00	10.00 to 15.00	10.50 to 15.00
" Lower grades	6.00 to 8.00	6.00 to 20.00	6.00 to 8.00	6.00 to 10.00
Bride, 'Maid, Chateaux, F. & S.	8.00 to 10.00	8.00 to 10.00	10.00 to 15.00	10.00 to 12.00
" Low. gr.	4.00 to 6.00	4.00 to 8.00	4.00 to 8.00	6.00 to 8.00
Killarney, Fan, & Sp.	8.00 to 10.00	8.00 to 15.00	10.00 to 15.00	12.00 to 15.00
" Lower grades	4.00 to 6.00	4.00 to 8.00	4.00 to 10.00	6.00 to 10.00
Richmond, Fancy & Special	8.00 to 10.00	8.00 to 15.00	12.00 to 15.00	15.00 to 20.00
" Lower grades	4.00 to 6.00	4.00 to 8.00	6.00 to 12.00	6.00 to 12.50
My Maryland .....	..... to	4.00 to 10.00	8.00 to 15.00	6.00 to 15.00
CARNATIONS, Novelties and Fancy				
" Ordinary	4.00 to 5.00	3.00 to 4.00	..... to 4.00	3.00 to 4.00
"	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas .....	..... to	60.00 to 75.00	50.00 to 75.00	..... to 75.00
Lilies	12.00 to 15.00	15.00 to 20.00	..... to 15.00	..... to 15.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00	2.00 to 4.00
Violets .....	.50 to 1.00	.75 to 1.00	.75 to 1.25	1.00 to 2.00
Mignonette .....	..... to	4.00 to 10.00	3.00 to 5.00	3.00 to 6.00
Sweet Peas	1.00 to 1.50	1.00 to 1.50	.75 to 1.00	.50 to 1.50
Roman Hy. Paper Whites	1.00 to 3.00	2.00 to 4.00	2.00 to 3.00	1.00 to 4.00
Trumpet Narcis.	4.00 to	4.00 to	4.00 to	4.00 to
Gardenias .....	..... to	50.00 to .....	..... to .....	..... to
Adiantum	1.00 to	1.00 to 1.50	1.00 to 1.50	..... to 1.50
Smilax	12.00 to 15.00	15.00 to 20.00	..... to 15.00	15.00 to 20.00
Asparagus Plumosus, strings (100) ..	50.00 to	30.00 to 50.00	25.00 to 50.00	30.00 to 50.00
" " & Spren. (100 bchs.) .....	..... to 25.00	30.00 to 50.00	25.00 to 50.00	30.00 to 50.00

gardenia surplus. The situation seems now to be reversed—so honors are even. Cattleyas are good stock and moving well at good prices. A few

other odd orchids are coming in but nothing to speak of. Cypridiums are nearly over.

(Reports continued on page 50)

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
 for quotations. Correspondence with
 shippers of first-class stock invited.
 55 West 28th Street, New York
 Telephones 4626-4627 Madison Square

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Wholesale Florist**

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 Tel. 1462 Madison Square New York
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**B. S. SLINN, JR.
VIOLETS**

Selling Agent for the Largest and Best
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 55 and 57 West 26th St., New York City.

FRANK MILLANG

Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.

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Florists' Association,
Inc.**

Now Open for Cut Flower Consignments
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Moore, Hentz & Nash

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 Metal Designs, Baskets, Wire Work & Novelties
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JOHN I. RAYNOR

Wholesale Commission Florist **SELLING AGENT FOR
LARGEST GROWERS**
 A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices
 TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in
CHOICE CUT FLOWERS
 39 West 28th Street, New York
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
 GARDENIAS, DAISIES, ROSES AND CARNATIONS
 Telephone
JAMES McMANUS, 769 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York City
 Open from 5 a. m. to 6 p. m. Sunday
 till 10 a. m. **CUT FLOWERS**
 Tel. 5243 and 2921 Madison Sq. Res., 345 J., Newtown.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Jan 8 1910		First Half of Week beginning Jan. 10 1910	
American Beauty, Fancy and Special.....	25.00	to 40.00	25.00	to 40.00
" " Extra.....	15.00	to 20.00	15.00	to 20.00
" " No. 1.....	12.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Killaryney, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Richmond, Fancy and Special.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Ply Maryland.....	3.00	to 15.00	3.00	to 15.00
Carnations, Fancy and Novelties.....	3.00	to 5.00	3.00	to 5.00
" Ordinary.....	1.50	to 2.00	1.50	to 2.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
 FLOWER MARKET SECTION

CHARLES MILLANG

Wholesale Florist
 55 & 57 W. 26 St., NEW YORK
 Telephone 7062 Madison

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
 Southern Smilax, Galax and Leucothoe.
 Preserved and Fresh cut
 Cycas and Palmetto.
 Tel. 1519 Mad. Sq. 113 W. 28 St., New York.
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Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

Durand & Marohn

MANUFACTURERS OF
All Kinds of Wire Work
 Florists' Wire Designs a Specialty
 24 Beaver St., ALBANY, N. Y.

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

118-40 BROADWAY, DETROIT, MICH.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

25,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports.

(Continued from page 87)

Trade continues to be **NEW YORK** quite moderate but fairly steady. The usual lull after New Years hangs on exasperatingly and there is a lack of that brisk activity in the wholesale district which should mark the trading at the height of the mid-winter season. All varieties of standard flowers are being received in more than ample supply and, as a rule, in excellent quality with prospects good for an abundance of everything right along. But there is naturally a reluctance to permit wholesale quotations to go any lower than they are at present, at least during January. Much stock changes hands, however, at figures considerably below quoted rates, but to secure such bargains one must take large quantities in original lots and lay down the cash on the spot.

Washington reports a shortage of pink carnations and on white flowers of every description. Red flowers are also selling well.

Detroit reports business as rather quiet last week with stock accumulating a little. Bulb stock is becoming more plentiful.

PHILADELPHIA NOTES.

Twelve thousand a year for a twelve by twenty flower store seems a good deal in Philadelphia. But they tell us that eighteen thousand is the rental of a prominent Pittsburg flower store.

Mr. Fitzgerald of the Scientific Tree Service Co., will be the speaker at the next monthly meeting of the P. H. S. scheduled for the 18th inst. Prizes are offered for Primulas and other seasonable winter flowers.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Jan. 8 1910		First Half of Week beginning Jan. 10 1910	
Cattleyas.....	40.00	to 50.00	40.00	to 50.00
Lilies.....	10.00	to 15.00	10.00	to 15.00
Lily of the Valley.....	1.00	to 4.00	1.00	to 4.00
Narcis. Paper White.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.40	to .75	.40	to .75
Nigronette.....	2.00	to 6.00	2.00	to 6.00
Sweet Peas (per 100 bchs).....	4.00	to 10.00	4.00	to 10.00
Gardenias.....	10.00	to 35.00	10.00	to 35.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 25.00	20.00	to 25.00
" " & Sprea. (100 bchs).....	20.00	to 30.00	20.00	to 30.00

NEWS NOTES.

Berlin, Conn.—W. H. Shumway, who makes a specialty of seedling carnations, has two or three new ones ready for inspection. Mr. Shumway extends a cordial invitation to any who are interested in new varieties to visit his place and see them. His place is easy of access, ten minutes by trolley from N. Y., N. H. & H. R. R. station at Berlin Junction.

The boiler house and a small section of the large greenhouse of Victor Pauloz was destroyed by fire on the morning of Dec. 31. The fire was discovered by neighbors about 6 o'clock, Mr. Pauloz having left the place on

his customary trip to town earlier in the morning. The main greenhouse was saved by prompt and hard work, but his stock was very much damaged, including many palms, etc., in his keep as "boarders."

Atlantic City, N. J.—A movement is on foot to provide and maintain, municipally, flower plots at the ocean end of each avenue on the plan which has been carried out each year by private subscription in the case of Iowa ave. The annual expense of maintaining the latter is given as \$46.59, and the cost to the city for a full series from Maine to Jackson avenues would not amount to more than \$2000.

MEYER GREEN SILKALINE

FULL WEIGHT

Guaranteed 2 oz. to the spool, 8 spools per lb.—or 16 oz. actual weight of Thread per lb. See that you get the;

MEYER GREEN SILKALINE

and take no other.

Price, - \$1.25 per lb.

JOHN C. MEYER & CO.
LOWELL, MASS.



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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dyaart, 28 State St., Boston.
For page see List of Advertisers.

AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

AUTOMATIC CIRCULATION

W. W. Castle Co., Boston, Mass.

AZALEAS

Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy, Roslindale, Mass.
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.
Edward Wallis, Atco, N. J.
For page see List of Advertisers.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Brock & Sons, 47-51 N. Market St., Boston.

Dutch and French Bulbs.
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Richards Bros., 37 East 19th St., New York.
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H. F. Michell Co., Philadelphia.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Bermuda Lillies
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.
For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.

French Bulbs, Horseshoe Brand.
For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

French and Dutch Bulbs.
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H. E. Fiske Seed Co., Boston, Mass.
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Berrydale Experiment Gardens, Holland, Mich.

E. S. Miller, Wading River, N. Y.
For Page See List of Advertisers.

CANNAS

500,000 Cannas, 100 leading kinds, home grown, \$8.00 per 1000 and more. Price list free. Shellroad Green houses, Grange, Baltimore, Md.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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S. J. Reuter & Son, Westerly, R. I.
Field Grown Carnations.
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The E. G. Hill Co., Richmond, Md.
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Baur & Smith, Indianapolis, Ind.
Carnation Shasta.
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A. C. Brown, Springfield, Ill.
Carnation Sangamo.
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Chas. Knopf Floral Co., Richmond, Ind., and S. J. Reuter & Son, Inc., Westerly, R. I.
Carnation Admiration.
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Wood Bros., Fishkill, N. Y.
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C. S. Ford, West Park, Philadelphia, Pa.
New Carnation Constant.
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Edward Wallis, Atco, N. J.
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Chas. H. Totty, Madison, N. J.
Rooted Cuttings.
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CARNATIONS—Continued

Skidelsky & Irwin Co., Philadelphia, Pa.
Rooted Cuttings.

For page see List of Advertisers.

Cottage Gardens Co., Queens, L. I., New York.

Carnations Alma Ward and Mrs. C. W. Ward.
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Joseph Heacock, Wyncote, Pa.
Carnation Dorothy Gordon.
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Shepard's Garden Co., Lowell, Mass.
Carnation Bay State.
For page see List of Advertisers.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Chrysanthemum Stock Plants. Last call. Golden Glow, Pacific Supreme, White Cloud, Oct. Frost, Polly Rose, Early Snow, Ivory, Byron, White Bonaffon, Tim Eaton, Nonin, Merry Christmas, Duckham, Enguehard, Monrovia, Georgiana Pitcher, Bonaffon, Baby, 3c., \$2.50 per 100. Baby Margaret, 20c., \$1.75 per doz. Stafford Floral Co., Stafford Springs, Conn.

Chrysanthemum Stock Plants. Last call. Golden Glow, Pacific Supreme, White Cloud, Oct. Frost, Polly Rose, Early Snow, Ivory, Byron, White Bonaffon, Tim. Eaton, Nonin, Merry Christmas, Duckham, Enguehard, Monrovia, Georgiana Pitcher, Bonaffon, Baby, 3c., \$2.50 per 100. Baby Margaret, 20c., \$1.75 per doz. Gloria, 3c., \$8.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracena Indivisa in 3½ and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

Coleus, best varieties, strong rooted cuttings, 50c. per 100; \$4.50 per 1000. Thompson & Sons, Sta. D., R. R. 1, Milwaukee, Wis.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H. N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Atco, N. J.

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J. L. Moore, Northboro, Mass.

For page see List of Advertisers.

Jantzen & Hoebel, Hicksville, N. Y.

For page see List of Advertisers.

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Anton Schulthels, College Point, N. Y.

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Godfrey Aschmann, Philadelphia.

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John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

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H. H. Barrows & Son, Whitman, Mass.

Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.

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Frank Oecuslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson, Tarrytown-on-Hudson, N. Y.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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Galax and Leucothoe.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirer, 6417 Carnegie Ave., Cleveland, O.

GLADIOLI

E. S. Miller, Wading River, N. Y.

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J. L. Moore, Northboro, Mass.

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Jantzen & Hoebel, Hicksville, N. Y.

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GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d & Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham.

Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GLOXINIAS

Arthur T. Boddington, New York, N. Y.

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Lord & Burnham Co., 1133 Broadway, New York.

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Pecky Cypress for Benches.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GREENHOUSE PROPERTY TO LEASE

J. P. Eustis, Boston, Mass.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HOSE

Henry A. Dreer, Philadelphia, Pa.

Garden Hose.

HOT-BED SASH

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Lord & Burnham Co., 1133 Broadway, N. Y.

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Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

Nicotide kills all greenhouse pests.
P. E. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stump & Walter Co., 50 Barclay St.,
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Kilmdead Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
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Tobacco Powder.
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IRIS

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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

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Yokohama Nursery Co., 31 Barclay St.,
New York.
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Home-Grown, Established Plants.
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**LANDSCAPE GARDENING
COURSE**

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Pot Grown.
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LILY OF THE VALLEY PIPS

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Wm. Elliott & Sons, New York, N. Y.
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Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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NURSERY STOCK—Continued

German Nurseries and Seed House,
Beatrice, Neb.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordones Bros., Madison, N. J., Box 105.
C. Lablata: D. Bigbbum Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
For page see List of Advertisers.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
lams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
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Joseph Heacock Co., Wyncote, Pa.
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A. N. Pierson, Cromwell, Conn.
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Julius Roehrs Co., Rutherford, N. J.
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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point,
Neb.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 18 Midway St., Boston.
Boston.
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Metropolitan Material Co., 1392-1408 Met-
ropolitan Ave., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT PRESERVATIVES

Keep your ferns six months without cold
storage; flowers, 20 to 30 days, at practi-
cally no cost. Formula and complete in-
structions on receipt of \$1.00. Barton, 110
Portsea St., New Haven, Conn.

PLANT STAKES

Seale's Tieless Plant Stakes and Trel-
lises. H. D. Seale & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 839-75
So. Erie St., Toledo, O.
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POTASH

German Kali Works, New York, N. Y.
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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 3
inch, 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

PRIVET**CALIFORNIA PRIVET.**

500,000 3-yr. plants with 12 to 20
branches, have been transplanted once and
cut back 2 yr., \$4.00 per 100; \$37.50 per
1000, packed. Will make a good, close
hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10
to 12 branches, cut back 1 yr., \$3.00 per
100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched,
\$2.00 per 100; \$17.50 per 1000, packed.
500 to 1000 rate. Cash with order.
John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

Henry A. Dreer, Philadelphia, Pa.
Rhododendrons for Forcing.
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John Waterer & Sons, Ltd.,
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Wood Bros., Fishkill, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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The Rose, by H. B. Ellwanger; mailed
for \$1.50 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
year address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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Sutton & Sons, Reading, England.
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Elmer D. Smith & Co., Adrian, Mich.
Chrysanthemums and Aster Seed.
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPIREA

Joseph Breck & Sons, Corp., Boston.
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Chas. J. Jager Co., Boston.
Deming Spray Pump.
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M. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.
New Chicago Sprayer.
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STRAWBERRY PLANTS

The best standard and new varieties.
Catalogue free. Lake View Nursery, Poy
Sippi, Wis.

SWEET PEAS

A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.
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The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1123
Broadway, N. Y.

WILD SMILAX

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Southern Wild Smilax.
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Reed & Keller, 122 W. 25th St., N. Y.
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Durand & Marohn, Albany, N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 301
N. 7th St., Scranton, Pa.

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Alex. J. Guttman, 34 W. 28th St., New
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In writing to Advertisers kindly mention Horticulture

New Offers in This Issue.

CUT FLOWER DELIVERIES, WHOLESALE AND RETAIL.

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NEW BERRIES.

Berrydale Experiment Gardens, Holland, Mich.

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POTASH.

German Kali Works, Baltimore, Md.
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TEMPERATURE ALARMS.

National Clock & Electric Mfg. Co.,
St. Louis, Mo.
For page see List of Advertisers.

OBITUARY.

Hermann Kuhley.

Hermann Kuhley, one of the largest wholesale florists in Berlin, died on November 26, in the 51st year of his age.

James Stocksill.

This old-time nurseryman died on December 25, at Baltimore, Md., at the age of 78 years. He was formerly in business at Geneva, N. Y.

J. D. Chamberlin.

James Dale Chamberlin, 95 years old, veteran and pioneer resident of Toledo, O., died January 4 at 1363 Miami street, East Side, where he had lived for 50 years. Mr. Chamberlin is said to have been the originator of the idea of preserving fruit by hermetic sealing, and was the first to introduce evaporated fruit, both of which industries now occupy a large place in America. He was a native of Union county, Pa.

Mrs. Josephine Garland.

Mrs. Josephine Garland, whose severe illness we noted last week, passed away January 6th at the home of her daughter, Mrs. Fred Wittbold. Mrs. Garland was the mother of the Garland Bros. at Desplaines and of Mrs. Percy Jones and Mrs. Fred Wittbold, and was a woman of splendid character. Mrs. Garland was deeply affected by the death of her son-in-law, Percy Jones, and her granddaughter last summer, coming but one day apart, and has not been in her usual good health since.

FLORIST'S ESTABLISHMENT WRECKED.

The store of Chas. R. Tuson and adjoining greenhouse, in Windsor, Ont., was wrecked by an explosion of natural gas, January 12. The leak had been suspected for some days and an employee looked for it with a lighted match with above result. No one was injured. The property damage was \$2,000. Fully insured.

THE CULTIVATION OF THE CYCLAMEN.

Paper read before the Gardeners' and Florists' Club of Pittsburgh, Jan. 4, 1910, by George Cruickshank.

The best time to sow Cyclamen seed is from the middle to the end of August. Sow thinly. Cyclamens should never be crowded, even in the seed boxes. Sow the seed in a good mixture of light loam, leaf mould, sand and crushed charcoal, in about equal proportions. Cover the seed very sparingly and place glass over the boxes to prevent evaporation, setting in a temperature of 60 degrees to 65 degrees.

As soon as the seedlings appear above ground, place the boxes well up to the light to prevent the first leaf from becoming leggy. When the second or third leaf is shown the young seedlings should be pricked into other boxes about two or three inches apart, leaving them there until they are ready for 3 or 3½-inch pots. We think this a better method of handling than potting them into thumb pots, as they are liable to go dry at times, a condition very detrimental to Cyclamens at any stage of their growth. They transplant into 3½-inch pots without suffering any setback whatever.

When shifting into the first pots a little less leaf mould and sand should be used than is used in the seedling boxes, adding a small quantity of well-rotted manure, and in re-potting into larger sized pots a mixture of equal parts—fibry loam and manure, with leaf mould, charcoal, sand and a good sprinkling of crushed oyster shell to keep the compost open, using plenty of drainage. The larger pieces of oyster shell can also be used along with pieces of broken pots for drainage. Pot moderately firm; never use fresh manure for potting, nor quick-acting fertilizer for feeding. We have known grand exhibition plants to be grown in this compost without the aid of any fertilizer whatever; too much feeding towards the flowering stage tends to soften the flower stems. During winter a temperature of from 56 degrees to 60 degrees with plenty of moisture will suit them, and in spring they ought to be transferred to a more airy house, still keeping them on the warm side, well up to the glass. In summer they can be grown in the coolest house possible, with cheesecloth shading when the sun is shining, but the atmosphere should never be as dry as that in which chrysanthemums or carnations are grown.

When the nights begin to grow cool in autumn, the temperature should not be allowed to drop below 54 degrees or 55 degrees at nights, or the plants will get a check at the very height of their growing season. Not until the flowers are pretty well up should the temperature be lowered to 46 degrees or 50 degrees at night, and as they come into full flower, the ventilator should never be closed tight except in the very coldest weather, taking care to raise it before the sun strikes the house in the morning. Due attention to this

will keep the flowers a long time fresh and clean, preserving a larger number of flowers on the plants at the same time.

The benches where Cyclamens are grown should always be kept clean. Before placing the plants, the benches should receive a good washing with some strong insecticide, then putting on new gravel or ashes to make sure everything is clean. It is also a wise precaution to spray in between the plants occasionally so as to keep clear of the small white mite, which so often wrinkles the leaves and flowers of the Cyclamen. If your plants are affected any with this insect, they ought to be dipped in a strong solution of X. L. Ail insecticide two or three times. This operation is best done the last thing at night, syringing the plants with clear water first thing in the morning. The other two insects that attack Cyclamens, thrips and greenfly, can be got rid of with ordinary fumigating, always bearing in mind that prevention is better than cure. If troubled with the ordinary garden grub in your soil or manure, which quite frequently does great damage to the Cyclamen, sterilizing the soil is the only way of completely eradicating it.

A grower of the Cyclamen may know all those points of good cultivation and still not have the desired success, owing, no doubt, to having neglected some of them at a time when he was otherwise busy. Cyclamens once or twice neglected never make up what they have lost. I would like to impress the fact that there are not so many important things to be learned about their cultivation as putting and keeping in practice the small details, which we all know make success or failure in the cultivation of any plant.

AUSTRALIAN APPLE TRADE.

Consul-General John P. Bray reports that a shipment of 1800 cases of American apples, which arrived at Sydney on November 15 from San Francisco (via Tahiti and New Zealand), was condemned by the New South Wales government fruit inspector owing to the presence of the codling moth. The whole shipment was subjected to fumigation under government supervision, after which it was re-packed. As this entails considerable extra expense to the importer, it is believed locally that next season's importations will be much smaller than those of the current season. A further shipment of American apples, about 8000 cases, was expected to arrive in a few days.

Washington, D. C.—President Taft appointed Henry S. Graves, director of the Yale Forest School, January 12, as forester of the United States to succeed Gifford Pinchot. He also appointed Albert F. Potter, at present acting forester, as associate forester. The new forester and the associate are both known as Pinchot men. Both have served under Mr. Pinchot and both are in sympathy with his administration policy. It was largely through Mr. Pinchot's efforts that the Yale Forest School was established and Mr. Graves went from the post of assistant chief of the division of forestry under Mr. Pinchot to become director of the school in 1900. He had served in the forestry division for two years.

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FOR SALE—Greenhouse property opposite Woodlawn Cemetery, Everett, Mass. Store, dwelling house 12 rooms, 3000 ft. of glass, hot water heating, 1500 baskets of pansies in ground, houses all stocked ready to step right in and do business. One acre of ground. H. A., care HORTICULTURE.

Evergreen Brand

A New Fertilizer

Specially manufactured for growing FLOWERS, FERNS, PALMS etc.

It contains all the PLANT FOOD elements necessary to plant growth, and is compounded in proper proportion to get the best results in growing FLOWERS and PLANTS.

It removes Acid from the soil, consequently sweetens sour land and makes it productive.

Now Used by Largest Growers, With Excellent Results

JOHN W. POEHLMANN, PRES.
A. H. POEHLMANN, V. PRES.
AUG. F. POEHLMANN, SECY & TREAS.

1,500,000 Sq. Feet of Glass

PHONES--
GREENHOUSE MORTON GROVE 201-202
RESIDENCE " " 1 AND 202

Poehlmann Bros. Company

GROWERS AND WHOLESALEERS

Specialties

Roses, Carnations and Chrysanthemums

Store: 33-35-37 Randolph St.
Chicago

Mail all Plant Orders direct to
Morton Grove

Morton Grove, Ill., Oct. 6th, 1909.

Mr. D. D. Johnson

Dear Sir:-

We have used the 6 cans of Evergreen Brand Flower Fertilize shipped us Sept. 6th and noted remarkable results.

You may increase our second order of 500 to 2000 lbs. and ship soon as possible.

Yours truly,

Poehlmann Bros. Company.

A. H. Poehlmann

It permanently enriches the soil.

It is all available.

Contains no "filler."

The plants can use it all.

Odorless and Sanitary

It will annihilate all disease germs; thus it prevents stem rot and other diseases from destroying the plants.

The Price is Low

compared with common Fertilizers or Bone Meal, for when purchasing the EVERGREEN BRAND you get PLANT FOOD, hence eliminating the expense and handling of "filler" or "make weight" material usually found in large quantities in common Fertilizers.

It is immediately soluble in water. Can be used Dry or in Solution.

1 lb. to the 100 Sq. ft. of Benching

TRY IT. We have arranged to ship small quantities, as follows: Boxes containing 1, 2, 4, 6 or 8 cans each.

Cans contain 12 pounds. Price \$2.00 per can. Terms net cash with order.

Full instructions with each shipment.

For Sale by All Leading Jobbers

D. D. Johnson Company

Manufacturers

66 Wabash Ave., CHICAGO

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

**Furnishes the
Most Nicotine for the Money**

JUST NOTE PRICE!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

NEWS NOTES.

President Foulk of the American Nursery Co. asks us to state that the announcement made January 1 to the effect that the business established by F. W. Kelsey in 1875 would be continued by that gentleman is incorrect, as that business was turned over to the American Nursery Co. on January 1, 1908, and remains their property.

An automatic bird scarer known as the "Demon" has been introduced with success in the fruit-growing districts of Australia. Said to save crop, money, time and temper; also, we presume, the birds—which is, in a way, of equal importance. The device might be adopted by small fruit growers in this country to advantage, if it does what is claimed for it.

The Haskell Implement and Seed Company of Boston, which was organized two years ago by A. P. Webster, formerly of Auburn, and with which the George B. Haskell Co., of Lewiston, is allied, has consolidated with the Ames Plow Co., of Boston, which has been in existence for over 50 years. The name of the Lewiston store will be changed to the Haskell Implement Seed Company and its capital will be doubled. W. H. Peckham, formerly with the company in Lewiston, will be the manager of the new concern.

FIRE RECORD.

Washington, D. C.—A small greenhouse near Trinity College was burned Dec. 31. Loss about \$500.

Rhinebeck, N. Y.—The stoke house and the ends of two greenhouses owned by J. C. Hamlin were damaged by fire on the night of Jan. 3.

Everett, Mass.—The boilerhouse connected with the Woodlawn cemetery greenhouses, was destroyed by fire late on the evening of Jan. 9, caused by an overheated boiler. The damage is estimated at several hundred dollars.

Woburn, Mass.—A fire destroyed the store house attached to the greenhouse on the estate of Charles A. Sanborn, 309 Washington street. The fire originated from a defective chimney in the store house. The loss will be about \$700.

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JONE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water.

Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6½ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

**E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.**

WIZARD BRAND MANURES

Dried, screened and packed in bags of 100 lbs. each.

PULVERIZED SHEEP MANURE

PURE — UIFORM — RELIABLE
A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

SHREDDED CATTLE MANURE

EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

— THE —
Pulverized Manure Co.
31 Union Stock Yards CHICAGO

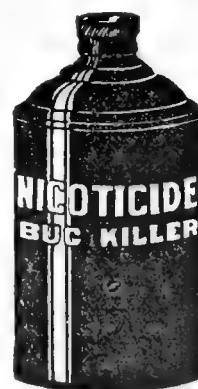
KILMDEAD

The best of all the tobacco dusts for

Dusting or Fumigating

25 lbs. \$1.00 100 lbs. \$ 3.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Stump & Walter Co. 50 Barclay St., New York.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Patethorpe Co.
OWENSBORO, KY.

*green Flies and
Black ones too*

are easy to kill with

The Fumigating Kind
Tobacco Powder

\$3 00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee.

THE H. A. STODOLFF CO., Mount Vernon, New York.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards. Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

CHARLES J. JACOB CO.
231-235 Franklin St., Boston

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FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

CATALOGUES RECEIVED.

Ford Seed Co., Ravenna, O.—"Sound Seeds" for 1910.

Berrydale Experiment Gardens, Holland, Mich.—A number of novelties in small fruits are listed in this publication.

Frederick Roemer, Quedlinburg, Germany.—Wholesale catalogue of Choice German Flower Seeds. A very full list of the productions of this well known grower.

Arthur Cowee, Berlin, N. Y.—"The Flower Superb." This is another of those attractive publications from the gladiolus man of America. There are seven portraits of gladioli in natural colors.

The Newburys, Mitchell Nurseries and Greenhouses, Mitchell, S. D.—Glad to see by the unique and tasteful catalogue just received that the "Largest Horticultural Establishment in the Dakotas" continues to flourish.

Weeber & Don, New York.—Garden Farm and Flower Seeds for 1910. Handsome covers in green tints. There are 16 pages listing novelties in flower and vegetable seeds, distinguished from the body of the book by being printed in blue ink.

J. J. H. Gregory & Son, Marblehead, Mass.—"Gregory's Honest Seeds" for 1910. Vegetable and flower seeds, small fruits, shrubs and plants are included in this volume issued by a house with a record of over half a century. Covers in vermilion, green and white.

J. G. Harrison & Sons, Berlin, Md.—A catalogue of nursery stock, small fruits, etc., very artistically gotten up. The clusters of cherries on first cover page in natural colors fairly make one's mouth water. Crawford's Late peach, Millionaire and Klondike strawberries are the subjects of other color plates.

Burnett Bros., New York City.—Seeds, Bulbs, Plants, Spring, 1910. An 80-page catalogue, freely illustrated and very creditable to this young and growing seed firm. Front cover in dark moss green and gold, back cover a country estate with Burnett's Special Lawn Grass Seed occupying the foreground.

Arthur T. Boddington, New York City.—Florists' Catalogue of Seeds and Bulbs for Forcing and Planting, 1910. Covers in orange and black type, with "The Seal of Quality" as a central ornament. A catalogue of florists' specialties, at trade prices. An exhaustive list—comprising old and new varieties—and generously illustrated.

J. M. Thorburn & Co., New York City—Thorburn's High-Class Seeds, 1910. The years roll on and this time-honored firm has now reached its 108th year. In accordance with long-established custom, the title page of this catalogue is plain and dignified, but the back cover bears a splendid illustration embossed in brilliant colors, of Eschscholtzia Thorburni. As usual, the list of vegetable, flower, tree and shrub seeds is very complete and the volume has a distinct value as a book of reference.

James Vick's Sons, Rochester, N. Y.—Vick's Garden and Floral Guide for 1910 is just a beauty. The color work on the covers is exceedingly fine, the front showing a group of four varieties of onions and the back four superb asters, viz: Vick's Violet King, Vick's Early Upright Pink, Vick's Rose King and The Rochester. The latter is the flower which has been honored by being selected as the official flower of the City of Rochester. There are many fine illustrations throughout the book, in which asters hold a prominent place.

R. & J. Farquhar & Co., Boston, Mass.—Farquhar's 1910 Garden Annual. This energetic seed and nursery house, always aiming to lead the country in the beauty of their catalogues has actually outdone itself in the volume now before us. The subject for cover page adornment is Hydrangea Hortensis Nikko Blue. It is a reproduction of an original painting and with a bronze background is very striking. On the back is a group of peony-flowered dahlias natural size and colors. Many new half-tone engravings embellished the body of the work which is very comprehensive and interesting, particularly the department devoted to hardy perennial seeds and plants and decorative garden shrubbery.

GREENHOUSES BUILDING OR CONTEMPLATED.

Poughkeepsie, N. Y.—W. C. Russell, one house.

French, N. M.—Frank Geeting, vegetable forcing house.

Lunenburg, Mass.—J. S. Gilchrist, vegetable starting house.

Easton, Pa.—S. M. Merwarth & Bros., carnation house 85x200.

Port Huron, Mich.—Frank Fieldman, Turnpike road, vegetable forcing house.

PATENTS GRANTED.

945,191. Lawn Mower. Carl E. Peterson, St. James, Minn.

945,298. Pipe Coupling. John E. Ward, New York, N. Y.
945,399. Weeding and Chopping Hoe. Thomas J. King, Richmond, Va.
945,734. Quack Grass Plow. Charles E. Glasspoole, St. Paul, Minn.

DREER'S Florist Specialties KEYSTONE CFFAR PLANT TUBS


	Diam.	Each.	Doz.	100.
A 11 in.	.65	7.15	55.00	
B 12 1/2 "	.75	8.25	65.00	
C 13 1/2 "	.85	9.35	75.00	
D 14 1/2 "	1.00	11.00	90.00	
E 15 1/2 "	1.25	13.75	110.00	
F 16 1/2 "	1.50	16.50	130.00	

Three largest sizes have handles.

SPECIAL PAUL TUBS.

8 inches,	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER

714 Chestnut Street
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 "	5.25	120 7 "	4.20
1500 2 1/2 "	6.00	60 8 "	3.00
1000 3 "	5.00		
800 3 1/2 "	5.80		
500 4 "	4.50		
456 4 1/2 "	5.24		
320 5 "	4.51		
210 5 1/2 "	3.78		

HAND MADE

48 9 in. pots in crate	\$3.60
48 10 "	4.80
24 11 "	3.60
24 12 "	4.80
12 14 "	4.80
6 16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2 "	12 "	\$1.00
2	14 1/2 "	14 "	1.25
3	16 "	16 "	1.50
4	19 "	18 "	2.00
5	21 "	20 "	3.00
6	25 "	22 "	4.00
7	25 1/2 "	24 "	5.50

The American Woodware Mfg. Co.
TOLEDO, OHIO



Sold by Schlegel & Fottler Co., Boston, Mass.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

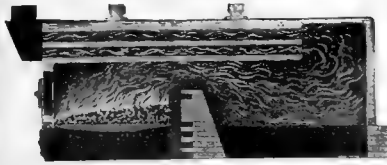
28th & M Sts., Washington, D. C.

All The Clay for our Florists' Red Pots

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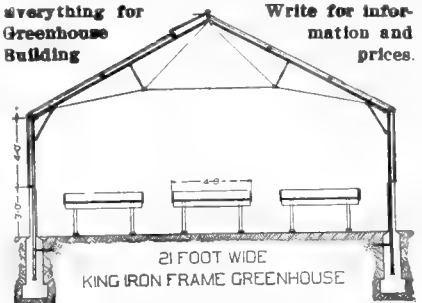
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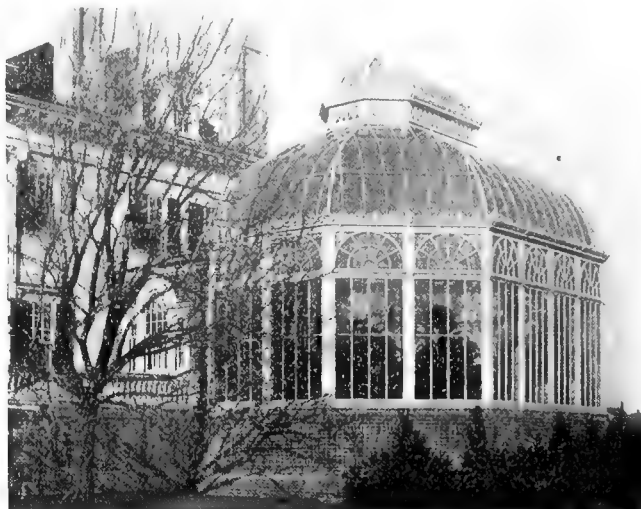
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HORTICULTURE

Vol. XI.

JANUARY 22, 1910

No. 4



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2½ in. pot 8 to 10 in. high.....	\$10.00
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5 in. pot, 6 to 7 lvs, 18 in. 100, \$50.00	
6 in. pot, 6 to 7 leaves, 22 to 24 in.	1.00 12.00
7 in. pot or tub, 6 to 7 leaves, 44 to 46 in. 2.50	30.00
9 in. tub, 6 to 7 leaves, 42 to 48 in. heavy 5.00	
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7 in. pot, 4 in pot, 34 to 36 in.	\$2.50
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Carnation Meeting

FULL REPORT NEXT WEEK

DON'T MISS IT

Plant Novelties From China

The genus *Lilium* holds a peculiar place in the affections of all sorts and conditions of people. The purity of the coloring in their large, handsome, often delicately fragrant flowers give them an air of distinction and a decorative value not excelled by any other family. The far East is the headquarters of the genus and the home of the majority of its most esteemed members. *Lilium auratum*, the noblest of all, is Japanese in origin and so also is *L. speciosum* and its varieties. *Lilium longiflorum* (with its varieties now generally known as the Bermuda Lily) is of Chinese origin being botanically regarded as one of the forms of the polymorphic *L. Brownii*. In all 32 species of *Lilium* are known from China, 17 of which are peculiar. These include some of the most useful and beautiful of the family and, what is of the utmost importance, Lilies possessing a sound, hardy constitution.

It is well-known that many species of *Lilium* have an unfortunate habit of dying out after once flowering to the disappointment of the cultivator. This is an inherent failing with certain species under cultivation and the only thing to do is to leave these severely alone. A disease too frequently attacks certain species with fatal results. But one of the most fruitful causes of failure in out-door Lily culture is unsuitable soil. It has become an accepted dogma that all Lilies require peat. Not only is this grossly erroneous but it is fatal to good results in fully half the known species. Cultivators should remember that Lilies like other plants have their own individual likes and dislikes and that what is meat to one is poison to his neighbor. If anyone wants an object lesson in this let him plant *L. auratum* and *L. Henryi* in a *Rhododendron* peat-bed and watch the results over three or four seasons. The first-named Lily will thrive, the *Henryi* dwindle away. If a bed of loam

be used the reverse will be found to obtain. A good, broad generalization as to soil required can be based on the habitat of the species. Those found in swamps and moorlands require peat; those frequenting precipitous and rocky ground require loam. There are, of course, exceptions. Of the twenty odd Chinese Lilies known to the writer only one (*L. Duchartrei*) requires peat. For all the others good strong loam and leaf-soil and a well-drained situation are the requisites. Fairly deep planting commensurate with the size of the bulb is another important item, for the roots



LILIAM LEUCANTHUM

A new vigorous-growing, hardy lily.

diately above the bulb are essential "feeders" nourishing the flowering stems.

The best known of recent Lilies from China is *Lilium Henryi*, a native of the mountainous country around Ichang, and more especially the conglomerate rocks: this Lily is now appreciated one of the finest and hardiest. An orange-colored *L. speciosum* growing 6 ft. tall, well describes *L. Henryi*. It is very floriferous, strong plants often bearing 20 to 40 flowers on a single stem.

Lilium leucanthum and *L. chloraster* were originally regarded as forms of *L. Brownii*, but are really distinct. The first-named is a strong growing lily, 5 to 6 ft. or more tall, well clothed with moderately broad leaves having bulbils in their axils. The flowers vary in number from five to ten and usually arise from a common level but occasionally the floral axis elongates; in shape and size they resemble the well-known *L. Harrisi*, are greenish white with a suspicion of purple without and the purest white within. Occasionally the purple tinge reflects through on the inner surface of tube giving a charming and delicate effect. The flower-stalks are stout, 3 inches long, and the mouth of the tube is usually at right angles with the stem. The bulb is large, flattened, dark purple in color.

L. chloraster is similar in habit of growth but produces no bulbils and has flatter, more open flowers in shape midway between *L. longiflorum* and *L. auratum*. *L. myriophyllum* is allied to the above but differs markedly in general appearance. The stems are 3 to 4 ft. high and densely crowded with very narrow, usually one-nerved leaves bearing no bulbils. The flowers are in terminal umbels of two to six or more, large, fragrant, funnel-shaped, 5 to 6 inches long with apex of segments folded back. On the outside a broad band of purple reaches to the apex in each segment; the inside of the tube is a rich canary-yellow, the rest of the flower purest white.

The above three Lilies are natives of the rocky, precip-



LILIAM SUTCHUENENSE

A New and Charming Lily.

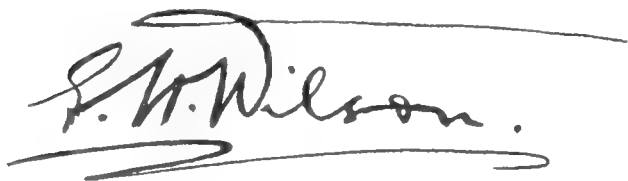
itous valleys of western China between 3,000 and 5,000 feet, growing amongst tall grasses and scrub. In certain places they abound and when in flower present a wonderful sight. Opinions differ as to which of these three is the finest; the writer inclines toward *L. myriophyllum* and believes it the finest hardy tubular-flowered Lily extant. It is only fair to add that others regard *L. leucanthum* in this light.,

L. sutchuenense may be described as a refined *L. tigrinum* with slender stems 2 to 5 feet tall bearing racemously three to forty flowers. The leaves are very narrow, almost thread-like, with one nerve prominent and rough on the underside. The flowers are only half the size of *L. tigrinum*, intense scarlet with numerous black dots; occasionally the latter are completely wanting. The bulb is small with pinkish scales. A loam-loving Lily it requires a situation where it is fairly dry during winter months. An old wall would be an ideal spot for its culture. Being of somewhat delicate constitution this Lily is better suited for pot culture perhaps than outdoors in the border. Its elegant foliage, intense scarlet flowers and graceful habit make the Lily one of the most charming of the whole family. It is easily raised from seeds and will flower within two years.

L. Duchartrei is a peat-loving Lily somewhat resembling *L. sutchuenense*, with broader leaves, with an umbellate or subumbellate inflorescence of three to twelve flowers, white heavily covered with purple spots and striæ.

L. Bakerianum is another Lily from western China well worth attention. The flowers are medium-sized, with a broad, campanulate tube and reflexed segments. At first greenish-white the flowers change to creamy-white with age and are spotted within the tube with tiny purple spots. The stem is slender with scattered, recurved, rather broad leaves.

Of the other Chinese Lilies some are well-known, others are only known to botanists. The above seven species will each in its own sphere have hosts of friends. For general purposes *L. leucanthum*, *L. chloraster* and *L. myriophyllum* are without rivals as hardy, vigorous-growing Lilies with large funnel-shaped flowers. *L. Henryi* is already well-known and the other three for more restricted purposes will amply repay those who take up their culture.



Begonia Glory of Cincinnati

This new begonia, which is well illustrated on the cover page of this issue, promises to take a leading place as a commercial flowering plant. It was raised by that eminent Lorraine grower, J. A. Peterson of Cincinnati,

Ohio, as a seedling from *Begonia Socotrana* crossed with another winter flowering species of which the name is not given. As compared with *Gloire de Lorraine* this plant comes into bloom a little later, the flowers which are bright Lorraine pink are larger and borne on more upright stems, and are even more lasting in texture. The foliage—as shown in the illustration—is quite different from that of Lorraine being large and waxy in the way of *B. Socotrana*. The variety is a very rapid propagator and, although it is but two years old, Mr. Peterson expects to have abundant stock to disseminate the coming season.

Nemesia lilacina

Nemesias are plants of recent introduction from South Africa, and with others from the same region have been under observation in order to ascertain their suitability for flower gardening in the open air, and pot culture in the greenhouse. But the finds were not of an encouraging nature, few being fitted for cultivation in gardens. *Nemesia lilacina* (N. E. Brown) was found in the vicinity of Okahandja in German Southwest Africa, and the plant has found acceptance in England, the credit for which is due to Messrs. Sutton & Sons among others, who have repeatedly shown the plant in great variety of colors. The plant flowers in great abundance from early summer till destroyed by frost. In good soil it reaches a height of 9 inches, and if not crowded in the beds, a breadth of 1 foot.

The antirrhinum-like flowers which have a length of 1-3 inch and 5 to 6 m. m. diameter are borne on slender stalks, arising from a multitude of branches and branchlets. The leaves of a lanceolate form about 1¼ inches in length, toothed, and of a pale green color, retire backwards from the mass of the blooms. The colors of the latter vary from light pink, rosy lilac, to deep pink. Nemesias are of the easiest culture, and sown on a mild hotbed the seeds vegetate in a fortnight. The plants after a gradual hardening off should be planted where they are intended to flower, which should be sunny and free from shade. The plant belongs to the class of summer bloomers which have a flowering season of four to five months duration without intermission.

Fredrick Moore

London, Eng.

British Horticulture

THE DAHLIA SOCIETY

The amalgamation of the National Dahlia Society and the London Dahlia Union has met with the full measure of success which the supporters of the Societies anticipated. At the annual meeting of the newly constituted society recently an encouraging report was submitted. It was recorded that some 150 varieties were submitted to the Committee, but certificates were only granted to

ten. There is evidently not the same readiness to grant certificates to novelties as was formerly the case, and this increased discrimination is to be welcomed. During this year exhibitions will be held at the Crystal Palace and the Royal Botanic Gardens. A new departure has been arranged in holding a conference in March, to discuss various matters of moment to dahlia cultivators, and it is hoped that this will stimulate an increased interest in the culture of this flower. For the first time last year the society offered prizes for pœony-flowered dahlias, also for garden cactus varieties, and these will also be included in the next schedule. The following were elected as the officers: President, E. Mawley; chairman of committee, George Gordon; secretary, E. F. Hawes, Royal Botanic Gardens. The committee are entering upon a new year of work with every promise of a further period of useful service on behalf of an indispensable flower, whose popularity is still very high notwithstanding the other rivals to public favor.

ITEMS OF INTEREST

Mons. P. de Vilmorin will preside at the twenty-first annual dinner of the Societe Francaise d'Horticulture de Londres.—A presentation portrait of Mr. Harry Veitch, a member of the well-known firm of nurserymen, has been painted by Mr. Hugh G. Riviere. A replica has been given to Mrs. Veitch.—Owing to the extension of their postal order business, Messrs. Dobbie and Co. have removed their business headquarters from Rothesay to Edinburgh. A scheme is on foot for forming a syndicate to run 20 fruit shops in various parts of London.—A proof of the healthiness of the gardener's profession is afforded by the fact that one of the fraternity at Brighton has lately reached his 101st anniversary.—An interesting demonstration of Colorado orchard heaters has been given on a fruit plantation in Wisbech, the results being of a very satisfactory character to the various experts who attended.

London.

W. H. Adsett.

Trans-Atlantic Notes

UNION OF GERMAN NURSERY PROPRIETORS

An arrangement having for its objects the exchange of stores, and covering the needs of members of the union, has been called into existence by the union of German nursery proprietors, in the form of "a Green list" of offers and inquiries, which is sent to every member of the union, annually, in the months of January and August, and which has proved of great usefulness to the trade. In order to afford opportunity to non-members to make their needs known without much round-about inquiries, outlay, or cost, it has been decided to enlarge the "Green list" and make no charge for offers from purchasers as far as space allows. The spring list of the same will appear at the latest on January 15, this year.

A NEW BOTANICAL GARDEN AT COLOGNE

On December 23, last, the municipal authorities of this city sanctioned the expenditure of the sum of 62,500 m., for the ground work in connection with this undertaking; and farther, a playground at Cologne-Deutz, of a decorative character, was approved of. The cost of the latter was estimated at 45,800 m.

DR. STRASBURGER,

Director of the Botanical Garden and Botanical Institute of Bonn, has been nominated a member of the Swedish Scientific Society at Upsala.

FRANZ HAAGE

This well known nurseryman and president of the Society of Erfurt Nurserymen, died on the night of December 25 last.

THE MARGERETEN ISLAND, BUDAPESTH

The nursery trade at Budapesth held a conference recently at which the proposal to establish a University botanical garden on the island was opposed, and the determination arrived at, that steps be taken in the support and continuance of the nursery business hitherto carried on there.

Fredrick Moore

NEXT ISSUE

FULL ACCOUNT OF *CARNATION SOCIETY*
CONVENTION UP TO TIME OF GOING TO PRESS

Interesting Notes of New Plant Introductions from China by E. H. Wilson.
Seasonable Notes on Culture of Florists' Plants and Lots of Good Things Besides.

DON'T MISS IT

HORTICULTURE

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NO. 4

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A patriot
of distinction

The daily papers have been paying their respects to the Indiana congressman who, it is stated, worked the limit of his prerogative in the distribution of free

seeds by dispatching through the post office, under his frank, sixty-one big mail bags full of seeds for his constituents. No doubt this enterprising law maker will be found lined up with the bunch who are clamoring for an increased postal rate on magazines and trade papers in order to meet the deficit in postal income. And should any seed dealer have the audacity to criticise the gentleman's assiduous zeal in giving away seeds he may be punished by finding this generous congressman among the 99 per cent. purity advocates and others who seem to think it is always "open season" to hunt the seedsman.

Our seed trade correspondent has a word to say in this issue regarding the seed trade guarantee or disclaimer, so called. The subject is one of vital interest to every seedsman but it has been subjected to the sharpest scrutiny by the keenest intellects in the seed trade for many years, with the object in view of conserving the rights of both dealer and public, and the official disclaimer of the American Seed Trade Association can fairly be regarded as the outcome of much combined wisdom. Still, there may be weak spots in it that will bear strengthening, as some think. It is much to be desired that the public should understand that the purpose of the disclaimer is not to shield the dishonest dealer but rather to protect the honest dealer against the dishonest or misguided customer. We know there are those who seem to prefer to believe otherwise and the seed trade has been forced to take much unmerited abuse from such sources. It stands to reason that any rational merchant will take every possible precaution against serving his customers in such a way as to shake their confidence in him and his goods. Rather than have a customer suspect he has been imposed upon, even when such suspicion is absolutely groundless, he will replace goods that have been condemned by the purchaser and give all reasonable guarantees as to the integrity of his dealings. He should not be asked to do more.

Boston invites the orchid admirers of America to a rare treat next May. Preparations are being made, not only in this country but abroad, to present in Massachusetts Horticultural Hall a spectacle of the most gorgeous character bringing together a collection of orchids and rich tropical vegetation such as has never before been grouped under one roof on this continent. For many months back, intending exhibitors have been on the alert to secure, regardless of expense, unique additions to their collections, all striving to qualify for successful competition for honors at this notable event. The orchid, as represented by several species of cattleyas, dendrobiums and cypripediums and a few other genera, has within recent years been accorded a high place in the cut flower industry but it is, we think, generally recognized that this is only a beginning. The time is coming when our present relations with the orchid as a commercial flower will only parallel our attainments in the line of roses or carnations thirty years ago when the Bonsilene and the De-Graw were the "high-liners." The Boston orchid show will leave its indelible impress on the commercial florists' industry and the gardener or florist who willingly absents himself from this unprecedented demonstration of the cultural and decorative possibilities of the most refined representatives of the floral kingdom will have reason to regret his short-sightedness as such an opportunity comes but seldom in a man's life.

A rare
treat in prospect

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SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Make a Good Start.

Now is the time, more so than any other part of the year, when well-weighted plans for the coming months should be laid. Catalogues are now coming in and they should have careful perusal. In your list of things needed include a few of the newer things that seem worth trying. The best strains of all kinds are neither too good nor too expensive for the florists' use.

Sowing Seeds.

At about this time it is right to make sowings of such things as centaurea, lobelia, petunia, salvia, torenia and some other seeds that are slow in growth and require from now on to grow into good salable plants by bedding out time. Make a sowing of pansies now. As soon as large enough they should be pricked off into flats, and if they are kept on the move they will be fit to be planted into frames in the early spring. Pansies thus handled will be excellent stock with bloom by the first week in May, and as good as, if not better than, fall sown stock. Also sow for the greenhouse seeds of *Asparagus plumosus* and *Sprengeri*, *Dracaena indivisa*, *gloxinias*, *Primula obconica*, *Musa Ensete*, *Grevillea robusta* and *smilax*. These all require a warm temperature and bottom heat for successful germination.

Propagation.

From now on and for two months is a time when conditions are found most favorable for the propagation of stock, but florists have to carry on propagation at all seasons where there is an open market, so there is hardly any let-up to speak of. But growers should manage their work in a way so as to do the largest and main part of their propagation at this season. It is well known that good cuttings must come from good stock plants, so see that they have proper attention. Put in batches of *begonias*, *carnations*, *geraniums*, *fuchsias*, *lemon verbenas*, *lantanas*, *double petunias*, *ivy-leaved geraniums*, *vincas*, *fancy and scented geraniums*, *English ivies*, *heliotropes* and *lobelias*. It is time enough yet for the soft-wooded and fast-growing plants as *achyranthes*, *coleus*, *impatiens* and many others as they are better when propagated later. Where a large quantity of new stock is wanted not a square foot should be left idle any longer than possible.

Lilies for Easter.

If *Harrisii* lilies have a good start, say six to eight inches high, with a little judgment they should be all right for Easter. They are generally allowed from six to eight weeks from the time the buds show until they are in full flower, so the growers can figure out when to have them in bloom. You can do more real forcing in the last four weeks previous to flowering than you can with safety in two months in mid-winter. *Giganteum*, *multiflorum* and *Formosum* are considered to be the best varieties of longiflorum for

forcing. Lilies make good progress in a temperature of 60 degrees; when the buds have made their appearance they should have an increase of 10 degrees. As the days get longer this is usually not difficult to afford just before Easter time. Be sure to ventilate when ever possible and, with a little attention to fumigation, good results should follow.

Rambler Roses.

If the supply of wood is plentiful they should have the wood that flowered last year cut away and tips of the unripened growth topped back. No other pruning is required. See that they are tied before the eyes break, and when the canes are long, bending spirally around three or four strong stakes is a good way. Another plan is to trim and tie in fan shape, or in fact any way one's fancy may suggest. Bending induces an even break all over the canes. It takes about eight or ten weeks for Ramblers to come into flower. Give more or less heat as occasion demands.

Spiraea.

It is time to start these now, because Easter is so early this year. When root action starts they should be moved into where a temperature of almost 50 degrees at night can be maintained. Be careful that they don't suffer from want of water; they should have plenty of water all the time. A month before they come into flower see that they have some weak liquid manure; it can be given at least once a week.

Hydrangeas.

Hydrangeas will not come in any too soon if started now for Easter. They should be brought into a temperature of 50 to 55 degrees at night—that is, if they have been grown during the summer in pots. Those that have been grown in the field and lifted and potted in the fall should have been in a cool house since Christmas, and it is good policy as far as forcing is concerned to go slowly and increase the heat later on. The terminal buds should be full and plump, and the wood also well ripened. If such is not the case it will be of little use to try to force them. They are great lovers of plenty of water at the root and should not be allowed to want for the same. If the drainage is not good look them over and remedy it.

The Care of Plants Left Over.

Poinsettias that have been left over should be gradually dried out and placed under some dry, warm bench, where no water will reach them. Keep in this dry state until the beginning of April. There will be plenty of time to propagate after that date. See that there is a dozen old plants of *stevia* saved. Stand these in some cool corner of the house and cut down within about six inches of the pot, and by March they will produce some fine cuttings. *Begonia Gloire de Lorraine* that is in 5 or 6 inch pots can be put in a cool house of about 50 degrees at night and dried off slowly. They will make some good cuttings in May, or they can be made into large specimen plants by pinching back the old growths, shaking off the old soil and re-potting.

JOHN J. M. FARRELL,
Connecticut.

DUTY ON IMPORTED NURSERY STOCK.

Editor HORTICULTURE. I am importing nursery stock from Europe, and would like to know what is the import duty on evergreens, and what on deciduous trees and shrubs, or to whom shall I apply for information at Washington, D. C.?

Please answer through the columns of HORTICULTURE.

N. B.

Portland, Ore.

The duty on all trees and shrubs, deciduous and evergreen, is 25 per cent ad. valorem. As regards evergreens there is an apparent ambiguity in the clauses of the tariff act in reference thereto, but at the New York custom house it is interpreted as above and duty is assessed accordingly.

CARNATIONS OR ASPARAGUS?

Gentlemen:—I would like to know through your valuable paper if it pays better to grow asparagus than carnations, and how best to grow it—for strings or bunches. Also the best time to plant it. How long will it be when fit to cut and ship.

J. B.

Atlantic Highlands, N. J.

In reply to inquiry asking if asparagus or carnations pay best, we wish to say if your greenhouses are modern, up-to-date houses, carnations will pay best, but if houses are old fashioned, get good, strong 3-in *Asparagus Sprengeri* plants from any wholesale dealer advertising in HORTICULTURE, use one-third well rotted cow manure and one-third clay soil, and part leafmould, and you will have a good crop by June 1, when asparagus is in good demand for school graduations. Use temperature 65 degrees to 75 degrees, and after May 15th, harden it up, and you will have quite good returns from your investment. A. G.

CARNATION LADY ALGY.

This new carnation was exhibited by A. H. Wingett at the meeting of the Lenox Horticultural Society on Jan. 15th and was unanimously awarded a first class certificate. In color it is pure salmon pink. It has been the good fortune of the writer to see it growing this winter, and among a house containing the best varieties splendidly grown, "Lady Algy" attracted instant attention. It is a sport from *Beacon*, and when I say it has all the good qualities of its parent, growers will know that there is not much amiss with it. Certainly we do not know of anything to equal it especially in attractiveness of color either in natural or artificial light.

EDWIN JENKINS.

We understand that J. W. Duncan, assistant superintendent of the Boston Park system, is planning to locate in the West within the near future. Mr. Duncan has been an active and popular member of the fraternity in Boston and will be greatly missed. He was elected president of the Gardeners' and Florists' Club at the last annual meeting.

AMERICAN CARNATION SOCIETY.

19th Annual Meeting to be Held in Pittsburgh, Pa., Wednesday and Thursday, January 26-27, 1910.

The nineteenth annual meeting and exhibition of this Society will be held at the Fort Pitt Hotel, corner Penn. avenue and Tenth street, Pittsburgh, Pa., January 26-27, 1910. Exhibition and meeting will both be held in this building, and this hotel will be headquarters as well.

Officers for 1909-1910.

President—Albert M. Herr, Lancaster, Pa.

Vice-President—Fred Burki, Gibsonia, Pa.

Secretary—A. F. J. Baur, Indianapolis, Ind.

Treasurer—F. E. Dorner, Lafayette, Ind.

Directors—Albert M. Herr, Fred Burki, A. F. J. Baur, Fred E. Dorner, Wm. Weber, Eugene Dailedouze, Wm. Gammage, J. S. Wilson.

Judges—W. N. Rudd, Morgan Park, Ill.; Wm. Nicholson, Framingham, Mass.; Richard Witterstaetter, Sedamsville, Ohio.

Officers and Local Committees of Pittsburgh Florists' Club.

President, Fred Burki; vice-president, P. S. Randolph; treasurer, H. L. Blind; secretary, H. P. Joslin; assistant secretary, C. L. Crall.

Executive Committee—E. C. Reineman, Jno. L. Wyland, Jno. Bader.

Finance—E. C. Reineman, chairman; H. Meuschke, E. C. Ludwig, P. S. Randolph, Jno. Bader, Geo. W. Burke.

Reception—Chas. L. Crall, chairman; Gust. Ludwig, De Forest Ludwig, Gust. Frishkorn, Thos. Jenkinson, B. L. Elhott.

Entertainment—H. L. Blind, chairman; Samuel McClements, E. C. Reineman, T. P. Langhans.

Press—Wm. Falconer, chairman; H. P. Joslin, Geo. W. Burke, E. C. Reineman.

Exhibition—A. W. Smith, Jr., manager; H. L. Blind, W. A. Clarke, N. N. Potter, John Jones.

Decoration—Ernst Zieger, chairman; J. W. Ludwig, Ed. Blind, Wm. Loew, Jas. Wiseman.

Papers.

The following persons will read papers on the subjects named below, and discussions will follow:

"The Carnation; Its Uses, Varieties and Culture," W. T. Bell, Franklin, Pa.; "The Calendar of the Carnation," Jos. H. Hill, Richmond, Ind.;

"My Experience With Carnations Under Glass," Fred Burki, Gibsonia, Pa.; "The Carnation Society and the Rose Society Should Hold Joint Meetings," C. L. Washburn, Chicago, Ill.; "The Carnation Society Should Continue to Hold Its Meetings Alone," Eug. Dailedouze, Flatbush, N. Y.

Question Box.

This feature can be made of great value. Many have perplexing problems



A. M. HERR
President.

and there is no better place to have them solved than in a meeting of men experienced in the same line of work. Send questions to the secretary and he will have some one prepare an answer.

The Exhibition.

All exhibits for competition (except for certificate of merit) must be in position by 1 p. m., January 26th, at which time judging will begin. Exhibits not in place by that time will be debarred from competition. New varieties may be staged at any time for certificate of merit.

The exhibition will be reserved for inspection by members up to 8 p. m., Wednesday night. This will give ample time for judging and a thorough inspection before the hall becomes crowded. Kindly be present on Wednesday afternoon. Bring a friend with you and see that he becomes a member before he leaves.

Schedule of Premiums.

Section A comprises the vases of one hundred blooms each in the respective color classes. First prize, \$10.00; second prize, \$6.00 in each; class 1 to 9.

Section B comprises the vases of fifty blooms each in the various specified varieties and colors, open to all varieties disseminated prior to July, 1909. First prize, \$5.00; second prize, \$3.00 in each; class 10 to 32.

Section C—For varieties disseminated the previous season. Fifty blooms to each vase.

No. 33.—Fifty Mrs. J. C. Vaughan. Premiums offered by Mt. Greenwood Cemetery Association, Morgan Park, Ill. First prize, \$6.00; second prize, \$4.00.

No. 34.—Fifty Pink Delight. Premiums offered by F. Dorner & Sons Co., Lafayette, Ind. First prize, \$6.00; second prize, \$4.00.

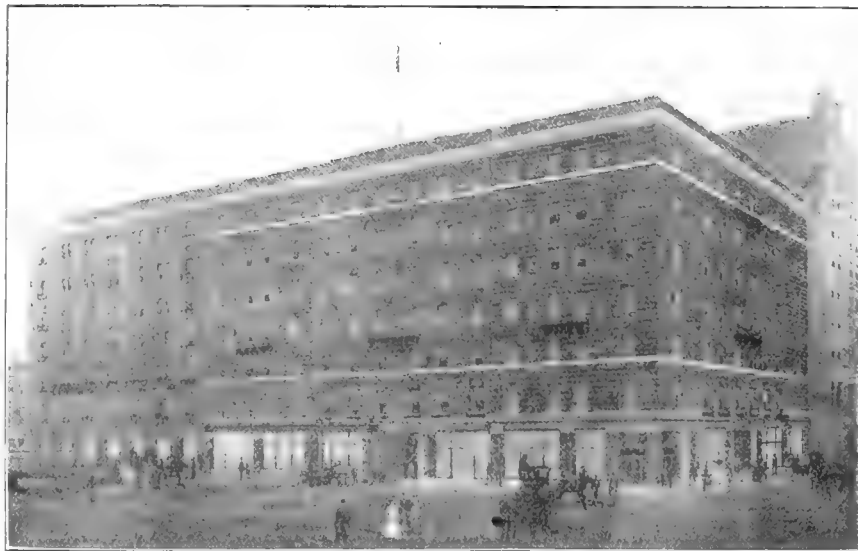
No. 35.—Fifty Mrs. Chas. Knopf. Premiums offered by Chas. Knopf Floral Co., Richmond, Ind. First prize, \$6.00; second prize, \$4.00.

No. 36.—Fifty Ruby. Premiums offered by S. J. Reuter & Son, Inc., Westerly, R. I. First prize, \$6.00; second prize, \$4.00.

No. 37.—Fifty Mayday. Premiums offered by E. T. Grave, Richmond, Ind. First prize, \$6.00; second prize, \$4.00.

No. 38.—Fifty O. P. Bassett. Premiums offered by Bassett & Washburn, Chicago, Ill. First prize, \$6.00; second prize, \$4.00.

No. 39.—Fifty Wa-no-ka. Premiums offered by Wanoka Greenhouses, Barneveld,



FORT PITT HOTEL, CONVENTION HEADQUARTERS



F. E. DORNER
Treasurer.

N. Y. First prize, \$6.00; second prize, \$4.00.

No. 40.—Fifty Apple Blossom. Premiums offered by Wanoka Greenhouses, Barneveld, N. Y. First prize, \$6.00; second prize, \$4.00.

No. 41.—Fifty Georgia. Premiums offered by Jas. D. Cockcroft, Northport, L. I., N. Y. First prize, \$6.00; second prize, \$4.00.

No. 42.—Fifty Bay State. Premiums offered by A. Roper, Tewksbury, Mass. First prize, \$6.00; second prize, \$4.00.

No. 43.—Fifty Wm. H. Taft. Premiums offered by Scheiden & Schoos, So. Evanston, Ill. First prize, \$6.00; second prize, \$4.00.

No. 44.—Fifty Gov. Dineen. Premiums offered by A. C. Brown, Springfield, Ill. First prize, \$6.00; second prize, \$4.00.

No. 45.—Fifty Marchioness. Premiums offered by Bellamy Bros., Syracuse, N. Y. First prize, \$6.00; second prize, \$4.00.

No. 46.—Fifty Alvina. Premiums offered by Hy. Eichholz, Waynesboro,

Pa. First prize, \$6.00; second prize, \$4.00.

Section D—American Carnation Society Medals.

Class No. 47.—A Gold Medal will be given for the best vase of 100 blooms, any variety, any color. Must score not less than 90 points.

A Silver Medal will be given for the second best vase of 100 blooms, any variety, any color. Must score not less than 88 points.

A Bronze Medal will be given for the third best vase of 100 blooms, any variety, any color. Must score not less than 86 points.

Section E—Special Medals of the Society of American Florists.

Class No. 48.—A Silver Medal will be awarded for the best vase of 50 blooms of a carnation not yet disseminated. Must score not less than 88 points.

A Bronze Medal will be awarded for the second best vase of 50 blooms of a carnation not yet disseminated. Must score not less than 86 points.

Varieties entered in this section must be of American origin.

Section F—Certificate of Merit.

Class No. 49.—New or undissemminated varieties may be entered for this certificate of merit under the following conditions:

A variety may be entered under a name or number, but a name must be furnished before a certificate will be issued.

An entrance fee of \$5.00 will be charged for each variety, when entry is made.

Not less than 50 blooms must be shown and the variety must have been bloomed at least three years.

To receive a certificate of merit a variety must score 85 or more points.

Varieties may be staged, and judged in this class, at any time during the convention. A vase of a new variety competing in an open class may also be entered for a certificate of merit.

In all other respects, except as stated above, the rules governing the general classes must be observed.

Section G—Preliminary Certificate.

Class No. 50.—This can be competed for by a two-year-old variety. Twelve blooms must be shown, and a \$2.00 entry fee will be charged for each va-



A. F. J. BAUR
Secretary.

riety. The variety must be properly labeled with the Society's card, under name or number. It must score not less than 85 points and may be judged at any time during the convention.

Section H—Special Premium.

Class No. 51.—Six plants in bloom of carnation Alvina in not over 8-inch pots. Premiums offered by Henry Eichholz, Waynesboro, Pa. First prize, \$6.00; second prize, \$4.00.

Only a few days after your present issue goes to print our Society will be in annual session in Pittsburgh. All arrangements, both local and national, seem to be working out nicely, and unless something unforeseen prevents, this will be the greatest convention we have ever held. There will be a great exhibition, judging by the entries booked, and the man who wins the gold medal this year will have a winner.

I shall leave here on Monday night, Jan. 24th, for Pittsburgh. All mail which will not reach here by Monday should be addressed to me in care of Ft. Pitt Hotel, Pittsburgh.

A. F. J. BAUR, Sec.



R. WITTERSTAETTER
Judge.



W. N. RUDD
Judge.



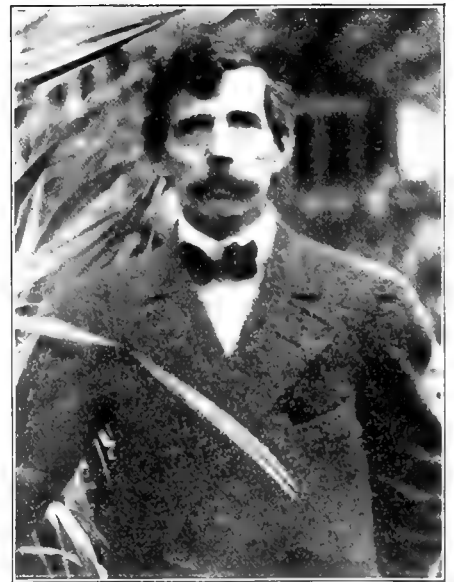
WM. NICHOLSON
Judge.



H. P. JOSLIN
Secretary.



FRED BURKI
President
Also Vice-President of the American Car-
nation Society.

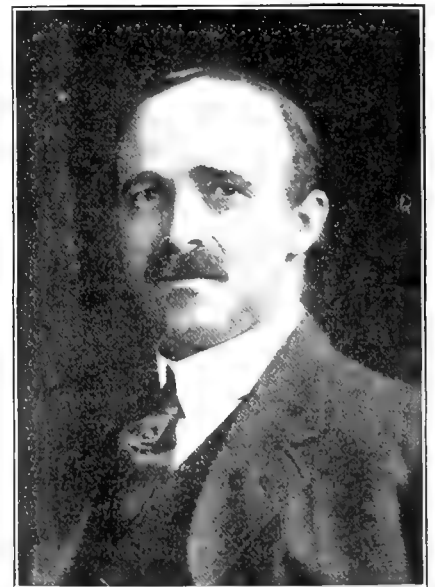


P. S. RANDOLPH
Vice-President.



A. W. SMITH JR.
Manager of Exhibition

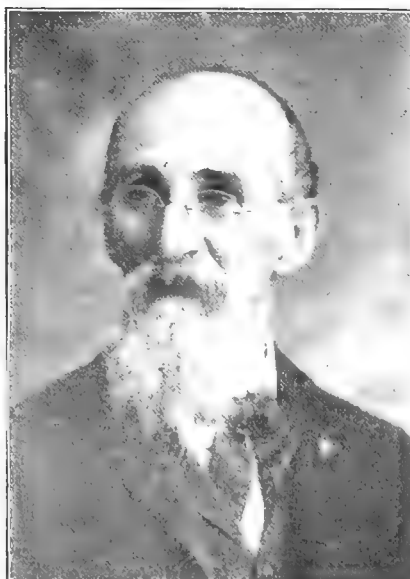
Officers and Local Committee Chairmen of the Pittsburgh Florists' Club



H. L. BLIND
Treasurer
and Chairman Entertainment Committee.



C. L. CRAFT
Assistant Secretary
and Chairman Reception Committee



JOHN L. WYLAND
Executive Committee.



E. C. REINEMAN
Executive Committee
and Chairman Finance Committee.

PITTSBURGH READY FOR THE CONVENTION.

The Headquarters.

This hotel which has been recently enlarged is located within 200 yards of the Union Station and is easily the leading hotel of the down-town section; absolutely fireproof.

The "English" room in which the exhibition and banquet will be held is 38 by 107 feet. The meetings of the Pittsburgh Florists' and Gardeners' Club are held at this hotel. Other leading hotels are the Lincoln, Anderson, Monongahela, Seventh Avenue, Henry and Schenley.

What to See.

Visitors, if possible, should see Phipps' Conservatories in Schenley Park. The genial superintendent of the park, G. W. Burke, makes all visitors welcome, while in the foreman of the conservatories, Jno. W. Jones, will be found one of the best plantmen in the United States, and the houses under his charge are models of all that greenhouses should be.

On the north side near the Fort Wayne station are the conservatories of Allegheny Park, Jas. Moore, foreman. These, while not approaching the size of the great conservatories in Schenley Park, contain interesting collections, especially of fancy caladiums.

Turning to the commercial growers we have the Pittsburgh Cut Flower Co., located at Bakerstown on the B. & O. R. R., 18 miles out of Pittsburgh, with its 300,000 feet of glass, over half of which is devoted to the growing of carnations. Here are a number of houses 50 by 450 feet. At the head of this plant is Fred Burki, president of the Pittsburgh Florists' and Gardeners' Club and vice-president of the American Carnation Society. Their wholesale store is at 222 Oliver avenue, Pittsburgh.

At Westview are the rose and carnation houses of H. L. Blind & Bros.

Beside the large plant at Westview, they maintain two retail stores in Pittsburgh.

The A. W. Smith Co., who have a large part of the ground floor of the Keenan building, Liberty avenue and Seventh street, as well as portions of the second and third stories, have greenhouses located on Mt. Washington, Pittsburgh, and 40,000 feet of glass in Ohio. Their retail store is one of the sights of Greater Pittsburgh.

Randolph and McClements, at Baum and Beatty streets, are in the heart of the fashionable East End, where from small beginnings they have grown to large proportions, and have a large share of the wealthy patronage of that district. A great proportion of the plants used by this firm are grown in their own greenhouses. P. S. Randolph of this firm is also vice-president of the Pittsburgh Florists' and Gardeners' Club.

In this district is also located the Zieger Co., who are making enviable progress.

At the North Side market across the Allegheny river are located the firms of E. C. Ludwig and of G. & J. W. Ludwig. J. J. Fuchs, S. S. Fritz Ueberle, Federal Street N. S., Mrs. E. A. Williams, Penn avenue, Breitenstein Co., Liberty avenue, and A. M. Murdoch, Fifth avenue, are among the other retail stores.

Of the growers, J. B. Murdoch & Co., near Canonsburg, Pa., have their wholesale plant at 714 Penn avenue, Pittsburgh; C. S. Crall is located at Monongahela. At De Haven some 12 or 15 miles from Pittsburgh, are located Jno. L. Wyland, S. J. Hatch, and F. H. Westhoff. This seems to be a favored locality for carnations, and the output is of a high class.

Beside the wholesale commission houses already mentioned, viz.: The Pittsburgh Cut Flower Co. at 222 Oliver avenue, and the J. B. Murdoch Co. at 714 Penn avenue, is the McCallum Co. at 937 Liberty avenue. The Florists'



MARTIAL BREMOND

Martial Bremond of Orléans, France, is the largest grower of strictly first class French bulbs in existence. His clientele is composed of the most critical buyers all over the world. They are men who have bought Bremond products for many years, and know the value of his bulbs. Horse-shoe Brand Products in French bulbs are "Bremonds", and which means that they are the best the market affords, in the various sizes offered.

Write us

RALPH M. WARD & CO.
12 West Broadway
NEW YORK

REPRESENTING



Not How Cheap
But How Good

MARTIAL BREMOND, Orléans, France

LILIES Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River
L. I., N. Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

In ordering goods please add "I saw it in HORTICULTURE."

JAPANESE & CO.
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES



ENGLISH ROOM, FORT PITT HOTEL, WHERE THE CARNATION EXHIBITION WILL BE HELD

"NOTHING SUCCEEDS LIKE SUCCESS"

¶ And success comes to the well-booked man—to the painstaking man—and the man who knows. It is our aim as the **LEADING FLORISTS' SUPPLY HOUSE AND RIBBON SPECIALISTS**—to keep you posted on all the newest and most up-to-date Florists' Supplies and Ribbons. ¶ And in pursuance of that policy, we have issued a catalogue—**THE MOST COMPLETE AND VALUABLE CYCLO-PÆDIA** of your business, ever laid before you—profusely illustrated and fully priced. You know we are Originators. ¶ As this edition is limited and very expensive, we will mail only upon request. ¶ Therefore, if you will write us at once, enclosing your business card, a copy will be mailed you with our compliments.

M. RICE & CO. **LEADING FLORISTS' SUPPLY HOUSE** **Phila.**
Of America
1220 RACE STREET

Exchange, corner Diamond and Market streets, is headed by P. J. Demas.

In visiting the Phipps' Conservatories at Schenley Park, do not forget the Carnegie Institute located at the park entrance. An hour or so will be well spent in going through the halls of this noble building.

The Pittsburgh Florists' and Gardeners' Club strongly advises that all who propose to visit the convention secure their hotel accommodations at once. A circular giving list of hotels and rates has been issued. They have made, through their reception committee, arrangements for the especial entertainment and comfort of the ladies. All who visit the great city with her 600,000 population—all carnation lovers—will be welcomed with open hearts and hands, and with heartfelt wishes that the memories of the convention will be pleasant and lasting.

AMERICAN CARNATION SOCIETY.

Notice of Registration.

Rainbow—White Seedling × Enchantress. White, overlaid with pink. Size, 3½ inches. Grand habit. Large high-built flower, making fine display. Fragrant, with long stiff stem and fine calyx. Fine keeper and shipper.

Sultana—Gov. Roosevelt and Mrs. Lawson. Light crimson. 3 to 3½ inches. Fine form, free worker, ideal habit, long stiff stem and fine calyx. By Wanoka Greenhouses, Barneveld, N. Y.

A. F. J. BAUR, Sec'y.

A NEW ENTERPRISE IN THE SOUTH.

Messrs. Geo. C. Groenewegen and H. de Schepper have settled as florists and nurserymen in Decatur, Benton Co., Arkansas, under the name of Hollandia Nursery Co. Land, climate, labor and

shipping facilities are good at that point. Their plan is to grow standard varieties on contract or fixed prices for nurserymen and florists.

The Durant Nursery Company are said to be preparing to start a branch of their nursery at Muskegee, Okla.

You are cordially invited to attend the Public Test of

Aphine

At the Boston Flower Market

No. 1 A-Park Street, Boston, Mass.

Saturday afternoon, January twenty-second, Nineteen-ten

between the hours of two and five o'clock.

We will be pleased to have you submit at this test any plants, shrubs, or stock that may be infested with insects or disease, so that we may demonstrate to you the wonderful merits of this new insecticide discovery—**APHINE**.

Yours respectfully,

Aphine Manufacturing Company

Madison, N. J., January 15, 1910.



Rhododendrons For Forcing.

To close out quickly we offer special values for an exceptionally fine lot of bushy shapely plants splendidly set with buds of best selling varieties:

	Per dozen.	Per 100
18 to 24 inches high, 10 to 15 buds.....	\$10.00	\$75.00
15 inches high, 6 to 10 buds.....	6.00	50.00

Azalea Mollis.

A splendid lot of bushy, well budded plants, 15 inches high, in fine shape for early forcing, \$4.50 per dozen; \$35.00 per 100.

Pot Grown Lilacs.

Charles X and Marie Legraye, well budded, shapely stock, \$6.00 per dozen; \$50.00 per 100.

HENRY A. DREER

714 Chestnut St., Philadelphia, Pa.

Our Blooming Stock For Easter

will consist of

Azaleas, Lilies, Hydrangeas, White and Crimson Rambblers, Souperis, Hermosa, Cyclamen, Primroses, Cinerarias. In Bulb Stock, we will have Paper Whites, Double Von Sion, Single Ajax, Hyacinths in all colors,

FERNS

We have an extra large stock of Boston, Whitmanii, Amerpohlii and Asparagus Sprengeri and Plumosus, that we should like to write you about. We are crowded for room and CAN GIVE YOU EXTRA GOOD BARGAINS for cash. Plants for Easter Bloom can be shipped any time.

GEO. A. KUHL,

Wholesale Grower, . . Pekin, Ill.

NEPHROLEPIS ELEGANTISSIMA COMPACTA

Another New Fern Originating with Us. To be introduced Fall, 1909.

Of all the valuable introductions in ferns that we have sent out, beginning with the Pierson (Nephrolepis Piersoni), we consider Elegantissima compacta the most valuable of all, particularly from a commercial standpoint.

While this resembles Elegantissima in a general way, it is far superior to that variety, on account of its perfect habit. Yet it can hardly be compared with Elegantissima except in a general way, because it occupies a place by itself, and is as distinct from Elegantissima as that variety is from Piersoni, — in fact, it bears the same relation to Elegantissima that Scottii does to Bostoniensis.

Elegantissima compacta has an ideal habit. The fronds are considerably shorter than those of Elegantissima, and it is a more compact plant. It throws a great many more crowns naturally, making a very bushy, dwarf, compact plant. The difference between the two varieties can be seen at a glance.

Fine, strong plants, 2 1/4-in. pots, \$5.00 per dozen, \$35.00 per 100; 4-in. pots, \$7.50 per dozen, \$50.00 per 100; 6-in. pans, \$1.50 each; 8-in. pans, \$3.00 each.

We make a specialty of all kinds of Nephrolepis, carrying a large stock of all sizes at all times, — Piersoni, Elegantissima, Superbissima, Bostoniensis, Scottii, Whitmanii, Amerpohli, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES,

CASH WITH ORDER

4911 Quincy St.,

Chicago, Ill.

Assorted Varieties

From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

FRANK OEGHSLIN

ORCHIDS IN BLOOM

ROEHRS, Rutherford, N. J.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY

Strong 2 1/4-in. stock, \$25.00 per 100.

WHITMANII

3 1/4-in., \$40.00 per 1000; 8 1/4-in., from Beach, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,

Mamaroneck, New York.

Splendid SEED of

Phoenix Roebelini

Just arrived. Price on application to

SANDER, BRUGES, BELGIUM.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum secptrum.

LAGER & HURRELL,

SUMMIT
N. J.

TARRYTOWN HORTICULTURAL SOCIETY.

The eleventh annual dinner of the Tarrytown Horticultural Society was held at the Florence Hotel, Tarrytown, N. Y., on Wednesday evening, January 12.

About seventy-five sat down to the dinner, which was one of the best ever prepared at the hotel. The table was beautifully decorated with flowers.

John Woodcock, president of the Society, bid everyone welcome in a few well chosen remarks and after the dinner Henry C. Griffin acted as toastmaster and called upon a number of those present for speeches.

J. Austin Shaw gave an interesting speech and well maintained the prestige of the professionals.

Andrew H. Brown made a short address, and on behalf of the gardeners of the Society presented Edward W. Neubrand, the secretary, with a pair of military brushes and a pair of gold cuff buttons. Mr. Neubrand was very much surprised and thanked the donors for the gifts.

F. R. Pierson, president of the S. A. F., was the next one called upon. He spoke of the flourishing condition of the Society and of its success locally and elsewhere. Surrogate Frank V. Millard, M. D. Raymond, former editor of the Tarrytown Argus, Senator Charles P. McClelland of Dobbs Ferry, James Duthie from the Nassau Horticultural Society and Assemblyman Frank L. Young of Ossining, also made addresses.

NEWS OF THE CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

No less than two hundred members with a goodly number of ladies were in attendance at the monthly meeting at Horticultural Hall on Tuesday evening, January 18. The magnet was E. H. Wilson, who was scheduled to present his lecture on "Plant Collecting in China," with stereopticon illustrations. The lecture was, in the main, the same as delivered before the Massachusetts Horticultural Society at an earlier date and fully noted in our issue of last week, but was fuller in some respects and more pictures were shown, giving great pleasure to the audience, which was demonstrative in its approval.

There were some good exhibits of flowers on the platform. Duncan Finlayson showed cypripediums and a grand plant of *Laelia anceps alba*, which won for him a cultural certificate. Honorable mention was given Littlefield & Wyman for a white seedling carnation. S. J. Reuter & Son showed carnations Sangamo and Admiration, the latter winning a well-deserved honorable mention. A report of merit was given to Shasta, shown by Patten & Co. Other exhibitors were Montrose Greenhouses with handsome roses; D. White, Freesia Purity; H. A. Stevens, carnations and a new freesia of promise.

It was announced that Sam J. Goddard would give a talk on "Carnations" at the February meeting.

HORTICULTURAL SOCIETY OF CHICAGO.

The annual meeting of the Horticultural Society of Chicago was held at the Art Institute, Friday, Jan. 14. W. E. Kelly was re-elected president; W. N. Rudd, 1st vice-president; Ernest Weinhoeber, 2nd vice-president; August Poehmann, 3rd vice-president; J. H. Burdette, secretary; N. H. Carpenter, treasurer. Trustees were elected for two years as follows: E. A. Kanst, C. A. Samuelson, Geo. Asmus, and Geo. Haigh. A committee consisting of N. H. Carpenter, Mr. Hutchinson and J. C. Vaughan were appointed to secure suitable and permanent rooms for the society. The executive committee were advised to secure a place for the annual flower show the coming year. The sum of \$830 was shown to be in the treasury, by the ex-secretary, Ernst Weinhoeber.

STATE FLORISTS' ASSOCIATION OF INDIANA.

The annual meeting of this association was held on January 11 in Indianapolis at the Commercial Club. Officers were elected as follows: President, J. S. Stuart, Anderson; first vice-president, H. Junge, Cumberland; second vice-president, Charles Knopf, Richmond; secretary, A. F. J. Baur, Indianapolis; treasurer, H. L. Wiegand, Indianapolis. The association decided to invite the American Rose Society to hold its annual convention in Indianapolis in 1911. A committee was appointed to provide ways and means for a chrysanthemum show next fall. The meeting was followed by the usual banquet.

ST. LOUIS FLORISTS' CLUB.

The St. Louis Florists' Club held its regular monthly meeting on Thursday, Jan. 13th, at 2 o'clock in the afternoon. Being the first meeting in the new year, the attendance was large and the meeting interesting. President Windler and all the officers were in attendance. There was on exhibition a vase of Baur & Smith's new white carnation Shasta, which interested the carnation growers very much. The committee gave it the club certificate of merit and thought it was the best existing white.

Mr. C. M. Davidson was present with one of the National Clock and Electric Mfg. Co.'s thermostatic machines and demonstrated its value to the members. Mr. William C. Young, ex-president of the club, who recently returned from New Orleans, gave the members a good talk on his trip in the southern country. The feature of the afternoon was a paper by F. J. Fillmore on "The Troubles of the Grower." This was one of the best papers read at the club for some time.

The new committee on florist club advertising was appointed by the president. They are John Cannon and C. De Wever. Treasurer W. C. Smith will read a paper on "The Troubles of a Wholesaler" at the next meeting, which takes place Thursday afternoon, February 10th, at 2 o'clock.

THE SPRING EXHIBITION OF THE AMERICAN ROSE SOCIETY.

The Executive Committee of the American Rose Society and the Council of the Horticultural Society of New York met at the American Museum of Natural History where the spring exhibition is to be held, on Wednesday last for conference. Working committees were appointed to take the matter up in earnest to prepare now for the coming exhibition. The facilities that are offered to the Rose Society for the exhibition are superb.

The city editors of the New York papers have been notified and requested to take notice of the show as an event worthy of the fullest public support.

There will be a joint meeting of all the committees within a few days to perfect the details. A new edition of the premium list will be issued covering all extra prizes that have been received.

We want everyone that has anything that is worth showing to take an interest in it and send it along. If you cannot do anything better send us a single bouquet, but do something and give us the best you have got. This invitation is sent to amateurs and commercial men alike.

BENJAMIN HAMMOND,
Sec'y.

Two Superb New Roses

Raised by JACKSON DAWSON

Now Offered for Sale for the First Time

LADY DUNCAN

THIS fine rose was awarded a silver medal by the Massachusetts Horticultural Society. It is a hybrid of the ever-excellent Rugosa and the Memorial Rose (*R. Wichuraiana*). It has the prostrate, long rampant growth of *Wichuraiana*, while the Rugosa blood shows in the luxuriant, dark, glossy foliage and in the profusion of large, single flowers. The petals of rich, glowing pink melt into an exquisite, large, yellow centre. Lady Duncan is perfectly hardy, even to Canada; is a strong grower, free bloomer and of long duration of blooming.

DAYBREAK

A ROSE of *Wichuraiana* type, crossed with the Rambler Dawson. A vigorous grower, profuse bloomer, excellent, too, for forcing. The flowers are single in great pyramidal clusters of deep, yellowish pink, somewhat darker than Lady Duncan, the petals of a lighter shade toward centre. The foliage is bright, glossy green, and the habit trailing, like its parent *Wichuraiana*.

The stock is limited.

Order now for Spring Delivery

Good strong plants which will yield a mass of blossoms in late June of this year. \$1.00 each, \$10.00 per dozen.

EASTERN NURSERIES

Henry S. Dawson, Mgr.

Jamaica Plain, Mass.

Boddington's Quality Sweet Peas

At the exhibition of the National Sweet Pea Society of America, held at the American Museum of Natural History, New York City, July 7 and 8, 1909, we were awarded the C. C. Morse Co.'s

SILVER CUP

for the finest collection of Sweet Peas. Open to the trade only.

Remember you may deduct 5 per cent if cash accompanies the order.

Agnes Johnstone, soft light pink.....
 Apple Blossom, rose and white.....
 Bolton's Pink, orange-pink.....
 Blanche Ferry, "extra early," rose and white.....
 Black Knight, maroon.....
 Dainty, light pink.....
 Duke of Westminster, blue and purple.....
 Dorothy Eckford, pure white.....
 Earliest of All, pink and white.....
 Emily Henderson, pure white.....
 Evelyn Byatt, orange-pink.....
 Emily Eckford, mauve and blue.....
 Flora Norton, blue and purple.....
 Honorable Mrs. E. Kenyon, pale yellow.....
 Jeannie Gordon, light pink.....
 Janet Scott, pale yellow or primrose.....
 Katherine Tracy, pink shades.....
 King Edward VII, crimson-scarlet.....
 Lovely, light pink.....
 Lady Grisel Hamilton, lavender and mauve.....
 Lottie Eckford, lavender and mauve, picotee edged.....
 Lord Nelson, violet and indigo.....
 Mont Blanc, pure white.....
 Miss Wilmott, orange-pink.....
 Mrs. Walter Wright, mauve and blue.....
 Mrs. Geo. Higginson, Jr., lavender and mauve.....
 Mrs. Collier, pale yellow.....
 Navy Blue, violet and indigo.....
 Othello, maroon.....
 Prima Donna, pink.....
 Queen Alexandra, crimson-scarlet.....
 Queen of Pain, light pink.....
 Queen Victoria, pale yellow or primrose.....
 Romolo Piozzanni, mauve and blue.....
 Salopian, crimson-scarlet.....
 Stella Morse, light pink and primrose.....
 Shazada, maroon.....
 Shasta, pure white.....
 Sadie Burpee, pure white.....
 White Wonder (double), pure white.....

25c
per
lb.;

10c
per
1/4
lb.;

5c
per
oz.

Black Michael, maroon, lb., 35c; 1/4 lb., 15c; oz., 10c.
 Earliest Sunbeams, pale yellow or primrose,
 lb., 40c; 1/4 lb., 15c; oz., 10c.

Duke of Sutherland, maroon.....
 *Gladys Unwin, light pink.....
 Helen Pierce, violet, feathered white.....
 Henry Eckford, salmon-orange.....
 *Her Majesty, rose-crimson.....
 *Mrs. Alfred Watkins, light pink.....
 *Nora Unwin, pure white.....
 *Paradise, light pink.....
 Phenomenal, lavender and mauve, picotee edged.....
 *Primrose Spencer, pale yellow or primrose.....

50c
per lb.;
15c
per
1/4 lb.;
10c
per oz.

*Countess of Spencer Hybrids Mixed, mixed.....
 *E. J. Castle, rose-crimson.....
 *Frank Dolby, lavender and mauve.....
 *Phyllis Unwin, deep rosy carmine, self.....

75c per lb.
25c per
1/4 lb.
10c per oz.

*Countess of Spencer, (true stock), light pink.....
 †Christmas Pink (Boddington's) pink and white.....
 †Christmas White (Boddington's), pure white.....
 †Florence Denzer, pure white.....

\$1.00 per
lb.;
40c per
1/4 lb.;
10c per oz.

Earliest White, pure white, lb., \$1.25; 1/4 lb., 40c; oz., 10c

*Enchantress, light pink.....
 *Florence Morse Spencer, pink shades.....
 *George Herbert, almost self-carmine.....
 *Helen Lewis, orange-pink.....
 *John Ingman, rose and white.....
 *Prince Olaf, striped and mottled blue, white ground.....
 *White Spencer, pure white.....

\$1.50 per
lb.;
40c per
1/4 lb.;
15c
per oz.

	Per lb.	1/4 lb.	Oz.
†Watchung, pure white.....	\$1.75	\$0.50	\$0.20
†Snow Bird (Boddington's), pure white.....	2.00	.75	.20
†Canary, pale yellow or primrose..	2.50	1.00	.30
†Flamingo, rose-crimson.....	5.00	1.50	.50

Those marked with a * are Countess of Spencer or Unwin types.

Those marked † are winter flowering.

See our Florists' Catalogue for Novelties and other Spencer Sweet Peas, mailed free.

ARTHUR T. BODDINGTON

Seedsman,

342 W. 14th Street, NEW YORK CITY

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting of this Society was held on the 18th inst. Henry A. Fitzgerald of the Scientific Spraying Co. gave a talk on the pruning of trees, the filling of cavities, etc., and wound up a very interesting discourse on the spraying of evergreens. Thos. Roberts and Jno. Fowler, from the Torresdale district, claimed that scale is diminishing in their locality. The lecturer thought this was not true generally, and stated that while the scale might apparently seem to be cleaned out, it would appear again in a couple of years, and that constant vigilance was the only safety. He also stated that the proper time to spray evergreens was the month of August.

The president appointed committees for the year, these being practically the same as 1909—excepting that Robert Craig takes the place of Edwin Lonsdale as chairman of the committee for examining new plants. William Kleinheinz presided. It is announced that the National Gardeners will have a banquet at Dooner's on March 15th, the first night of the spring show, at which 100 covers will be laid.

ELBERON HORTICULTURAL SOCIETY.

At the meeting, on Jan. 17, there was a large attendance of members and several out of town visitors. There was a fine display of carnations, and quite a discussion took place on the culture of carnations after the judging was finished. The awards were as follows:

A. Bauer, 1st for White Perfection, Rose Pink Enchantress and Harlowarden; Peter Murray, 1st for Enchantress, Winsor and Variegated Lawson; Jas. Kennedy, 1st for Beacon. Cottage Gardens Co. received a certificate of merit for Mrs. C. W. Ward. Alma Ward was also exhibited, but, unfortunately, got damaged on the express, so it could not be judged properly. Charles C. DeWild was awarded a preliminary certificate for a very fine pink seedling; Peter Ewen for bed seedling; James Dowlen certificate of culture for Red Lawson.

ALEX. FLEMING, Rec. Sec.

ST. LOUIS LADIES ORGANIZE.

Supplementing the action taken at a preliminary meeting at the home of Mrs. John Steidle a month ago, a meeting of the St. Louis Florists' Ladies was called by Miss M. Meinhardt, president of the Ladies' Society of American Florists, at the Washington hotel, St. Louis. There were present Miss M. Meinhardt, Mrs. F. H. Meinhardt, Mrs. J. J. Beneke, Mrs. Otto Koenig, Mrs. Theo. Miller, Miss J. Meinhardt, Mrs. F. C. Weber, Mrs. C. A. Kuehn, Mrs. H. G. Berning, Mrs. Carl Beyer, Mrs. John Steidle and Mrs. Geo. B. Windler. The object of the meeting was to form a Ladies' Home Circle to meet once a month, and at each meeting one of the ladies is to entertain the members with something interesting. Mrs. John Steidle was elected president and Miss M. Meinhardt secretary and treasurer. Mrs. J. J. Beneke was selected to entertain at the next meeting in February. The ladies then sat down to a fine lunch.

Seed Trade

Winter Tares or Vetches.

The winter vetch (*Vicia villosa*) has been receiving much attention as a soiling crop during the past few years. It is now listed and largely dealt in by leading seedsmen. For light soils it is far ahead of the spring vetch (*Vicia sativa*) which has been for ages cultivated both for feeding and soiling purposes. In the lighter soils of Germany, France, Great Britain and other foreign countries the winter vetch has become greatly esteemed, and its valuable qualities are now being generally recognized in the United States and Canada. In the Connecticut valley and elsewhere it has been used as a winter crop for tobacco land—and with excellent results. It should be borne in mind that the spring vetch (*Vicia sativa*) is also sold under the name of winter vetch, especially in Great Britain, and stocks are bought by parties in this country and are resold here as "winter vetch." This may be honestly done but it is wrong and leads to confusion. *V. villosa* is also called hairy or sand vetch. The Bureau of Plant Industry and most of the State Agricultural Experiment Stations have experimented with it and are now in a position to give full and detailed information as to culture and various ways it can profitably be used.

A Clever Guarantee on Seeds.

Can anyone guess whose order sheet this comes from:

In sending this order I rely upon your reputation as honest and experienced growers, that you will use every care to send me only seeds which you really believe are the best that have been produced for planting in 1910. Should I discover that any mistake has been made, I shall advise you promptly, so that you may redeem the promise made on second page cover of for 1910,—either to replace the seeds or refund the price paid, as I may direct. I recognize the fact that a mistake may occasionally occur and also that success depends largely upon conditions of soil and climate, which are beyond human control;—consequently no honest seedsmen could assume responsibility for an amount beyond the actual cost of the seeds.

Respectfully referred to the powers that be in the American Seed Trade Association.

HORTICULTURE will give a year's subscription to anyone telling origin and giving a reason why it does not fill the bill better than the time-honored waiver in general use.

HORTICULTURE will also give a year's subscription to anyone telling origin and giving a good reason why it does fill the bill better than the time-honored waiver in general use.

Notes.

Our Chicago Correspondent reports that the warmer weather has made shipping of onion sets active. Many have been sent to Mexico for early planting.

John C. Bodger, representing John Bodger & Sons Co., Gardena, Cal., was in Philadelphia from 11th to 14th inst., and reports good encouragement for the California seed growing industry. This firm has a five-hundred-acre farm near Los Angeles and makes a specialty of sweet peas, tomatoes, lettuce, limas, asters, and cosmos.

CATALOGUES RECEIVED.

German Nurseries & Seed House, Beatrice, Neb.—Garden Book for 1910. Seeds, Plants and Trees are included in this excellent list. The covers are adorned with flowers and fruit in colors.

Van Zonneveld Brothers & Philippo, Sassenheim, Holland.—Wholesale catalogue and Price List of Bulbs and Plants. An exceptionally comprehensive catalogue, listing roses, peonies, rhododendrons and miscellaneous hardy plants and roots and bulbs of all classes in wide variety. The title page bears a splendid colored portrait of hyacinth Lord Balfour and the back cover page shows a group of narcissi in colors.

Mr. Sonderegger, the proprietor of the German Nurseries, in talking of the great success of his nursery stock and seeds in all parts of the country, gives much of the credit to the rather severe climate of his district. It produces vigorous, hardy stock that can stand the raw, cold winters, and the dry, hot summers, if necessary. We know that the company will be pleased to send their catalogue to anyone interested. To those who mention this paper when writing, they will send a free trial packet of their New Coreless Tomato seed.

INCORPORATED.

Rocky Ford, Col.—Rocky Ford Seed Company Association; Will Morrison, H. D. Clute, J. P. Mullowney; not for profit.

Cincinnati, O.—Hyde Park Rose Company, \$10,000; Gustav Meier, Albert Sunderbruch, Henry Sonnenberg, Frank Sonnenberg, Joseph Sonnenberg.

Pen Mar, Pa.—Pen Mar Orchard Co. to sell nursery products. W. F. Johnson, Pittsburg; W. F. Given, Baltimore; and E. L. Worthington, Charleston, W. Va. Capital \$20,000.

MIGNONETTE

"Defiance" for Florists Use Oz. 40c

"New York Market" Tr. Pkt. 50c

WM. ELLIOTT & SONS,

42 Vesey St., New York.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

BECONIAS AND CLOXINIAS

Our Stock of these Bulbs is of the finest strain procurable

SINGLE BECONIAS

	Per doz.	Per 100	Per 1000
Orange.....	\$0.40	\$2.75	\$22.50
Scarlet.....	.40	2.75	22.50
Pink.....	.40	2.75	22.50
White.....	.40	2.75	22.50
Yellow.....	.40	2.75	22.50
Mixed.....	.35	2.50	21.00

DOUBLE BECONIAS

	Per doz.	Per 100	Per 1000
Crimson.....	\$.65	\$4.75	\$37.50
Scarlet.....	.65	4.75	37.50
Pink.....	.65	4.75	37.50
White.....	.65	4.75	37.50
Yellow.....	.65	4.75	37.50
Mixed.....	.50	3.75	33.00

CLOXINIAS

	Per doz.	Per 100	Per 1000
Red and Scarlet.....	\$0.60	\$3.75	\$32.00
Blue.....	.60	3.75	32.00
Bordered Scarlet.....	.60	3.75	32.00
Bordered Blue.....	.60	3.75	32.00
Spotted.....	.60	3.75	32.00
White.....	.60	3.75	32.00
Choicest Mixed.....	.50	3.50	31.50

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1018 and 518 Market St., Philadelphia

ESTABLISHED 1802

Thorburn's Bulbs

Lily of the Valley Pips
JUST ARRIVED.

Our usual high grade quality, also cold storage pips. Prices on application.

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33 Barclay Street
NEW YORK

Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts \$1.25.....	Oz. Tr. Pkts	
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts. \$1.25.....		.25
Phlox dwarf Fireball.....	2.50	.35
" " Roseball.....	2.00	.32
" " Snowball.....	3.00	.40
" " Cecily, all shades mixed	2.50	.35
Salvia Zangen's Fireball, fine for pots, early.....	4.00	.50
Salvia Zangen's King of Scarlets late	10.00	.50
" " Zurich, earliest dwarf	8.00	.50

For Other Seeds See My New Catalogue. IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY



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CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

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Japonica, Multiflora and Floribunda
GLADIOLI, THE BRIDE, JAPANESE LILIES, LILY OF THE VALLEY

Joseph Breck & Sons Corp.
47-54 NO. MARKET ST., BOSTON, MASS.

Cauliflowers CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

BERMUDA LILIES

Harrisii and Longiflorum. Selected.
Lilium Longiflorum Giganteum C. S.
by the case of 300.

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32 South Market Street, Boston, Mass.

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For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW
178 Washington St, Boston, Mass.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

SEED for FLORISTS TRUE IRISH SHAMROCK

25c Trade Pkt.: \$1.00 per oz.
Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
26 & 27 So. Market St., BOSTON, MASS.

CABBAGE Wakefield and Succession.
\$1.00 per 1000. \$8.50 per 10,000.
PARSLEY 25 cts. per 100.
LETTUCE \$1.25 per 1000.
Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
CASH WITH ORDERS
R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c. oz. \$4.00.
Pure White, Tr. pkt. 50c. oz. \$5.00.
Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
Boston, Mass.

In writing to Advertisers kindly mention Horticulture



DOROTHY GORDON

Being disseminated by Joseph Heacock Company.

Grow this Carnation for Big Profits in 1910!

After two years of careful watching and tending—giving it every opportunity to show its defects, if it had any—

After putting it on the cut-flower market and seeing it produce a sensation in the retail field, and after hearing it highly praised by every prominent grower who saw it—

After all this, we are ready to PROVE that our new Carnation Dorothy Gordon, of which you have heard so much recently and which is illustrated on the preceding page, is a real, genuine success—and that the grower who has it will make money!

Carnation Dorothy Gordon has a rapidly widening circle of friends; you'll surely begin to grow it for your trade sooner or later. This is your opportunity to get in NOW. Here are some of the noteworthy features of this new Carnation:

Vigorous constitution—freedom from disease.

Very large size and excellent form of flowers; these average over three inches in diameter. See illustration on facing page.

Wonderful profusion of bloom—one-third more flowers than Enchantress.

Excellent color—a trifle darker than Rose Pink Enchantress and more uniform in shade. Delightful fragrance.

Long, stiff stem and a bud with unusual keeping qualities.

Let's take these matters up in detail. Here is a Carnation that bears solid, lasting flowers of good standard color, three to three and a quarter inches in diameter. That's a big thing in itself, but add to it the fact that plants of this variety bear 130 good, commercial buds where the best sorts—Enchantress, for instance—bear only 100, and it looks bigger yet, doesn't it? But even that isn't all: buds of

Carnation Dorothy Gordon

Bring a price fifty per cent higher than buds of Enchantress, according to our actual experience for two years in the markets of Philadelphia. In other words, we have made Dorothy Gordon show up double the profits of Enchantress under the same conditions and with equal care. Here is a little table of figures based upon our own sales, that explains it:

100 Enchantress, worth say . . .	\$6 00
50 per cent extra realized for Dorothy Gordon . . .	3 00
	\$9 00
One-third more Dorothy Gordon from same number of plants . . .	3 00
	\$12 00

We're enthusiastic, to be sure, but in Dorothy Gordon we have something to support it, as the above table will show.

Up to October, 1909, without a particle of advertising, we had sold 60,000 rooted cuttings of this Carnation on its own merits at the prices given below. While we have now greatly enlarged our facilities, it is still evident that our present supply will not be adequate to meet the demand. Dorothy Gordon is in the hands of an experienced propagator at our plant, and we quote strong rooted cuttings at the following popular prices:—

\$10 per 100, \$75 per 1,000

That we are maintaining these figures is shown by our books, which are open to inspection at any time.

Our plant is likewise open to you—we urge you to come to Wyncote and investigate this worthy new Carnation for yourself. "Seeing is believing," and if we cannot sell Dorothy Gordon on its own merits we do not want to sell it at all.

We are easily reached from Philadelphia—twenty-five minutes from City Hall on the "Reading," with a service of 100 trains a day through the week. We're open every day except Sunday, and will welcome you at any time.

But don't put it off—you owe it to yourself to investigate Dorothy Gordon. If you cannot do it in person, drop us a line for full particulars.

Again — **don't put it off!**

Extract from the minutes of the Florists' Club of Philadelphia, January 5, 1909

Your committee on Novelties visited the establishment of Joseph Heacock Company and examined their new Carnation, "Dorothy Gordon," on December 30. The variety resembles Rose Pink Enchantress in color and form, but it is superior to that variety in being of a more uniform color, and is also larger and of greater substance. It is of stronger constitution and has a stiffer flower stem. Your committee tested the keeping qualities and find them to be good. The flowers were kept in an ordinary potting shed, and were salable four days after being cut.

Attest: DAVID RUST, Secretary

(Signed) EDWIN LONSDALE
J. W. COLFLESH } Committee
ROBERT CRAIG }

Joseph Heacock Company, Disseminators, Wyncote, Pa.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

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Out of Town orders for Hospitals
Carefully filled.

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Coates House Conservatory
1017 BROADWAY, KANSAS CITY, MO.
Both 'Phones 2670 Main.



WASHINGTON,
D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

Kansas City, Mo.—The George M. Kellogg Flower and Plant Company, formerly in the Rialto Building, has leased the building at 1122 Grand avenue.

New Haven, Conn.—The florists here are much incensed over the action of the Yale students in barring flowers from the Junior Promenade and regard the treatment given them as most unfair. The florists have always advertised in the college magazines, have entered into the spirit of all the college festivities, have been generous to college patrons and given credit to students frequently to their own loss. The action of the committee in pledging students not to purchase flowers is regarded by some as an unlawful procedure.

Dayton, O.—Fourteen of the representatives of the Mathews Florist establishment gathered at the Hotel Atlas, Wednesday night, the 12th inst., in the annual banquet of the institution. During the evening there were speeches by nearly all of the

STEAMER DEPARTURES

Atlantic Transport.

Minneapolis, N. Y.-London...Jan. 29

Cunard.

Campania, N. Y.-Liverpool...Jan. 26

French.

La Touraine, N. Y.-Havre...Jan. 27

Hamburg-American.

Cincinnati, N. Y.-Med't'n....Jan. 29

North German Lloyd.

Kpr. Wilhelm, N. Y.-Bremen...Jan. 25

Berlin, N. Y.-Mediterranean...Jan. 29

White Star.

Oceanic, N. Y.-S'hampton...Jan. 29

Cretic, Boston-Med't'n.....Jan. 29

persons present. They told of their experiences in the business and in this way the value of their services will be increased. Following are the names of those present: Samuel Kirk and wife, Nick Tertichuk and wife, William Graves and wife, Walter Mathews and wife, Finley Neibert and wife, George Gesler and wife, Leo Asher, and Mr. and Mrs. Warren G. Mathews.

DETROIT

There was nothing very rushing or exciting during the last week unless it was shoveling of snow to give prospective buyers a chance to reach the store entrances. Every January and February we have a heavy snow storm and we received probably a couple of inches more this year than last and it has cut into the counter sales and hampered business in many other ways. During the midst of it came the call for the annual florists' dance and young and old braved the storm, responding most numerous to this call and not dispersing till 2 A. M.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
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DAVID CLARKE'S SONS

Deliver orders from any part of the country to
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42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems
FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

CHAS. EBLE**Florist**

121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

MATTHEWS The FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston**WELLESLEY COLLEGE**Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

CHICAGO NOTES.**In Bankruptcy.**

The following announcement was received by the Chicago houses last week.

"Notice is hereby given that on the 11th day of January, A. D. 1910, Henry Payne of Hinsdale, Ill., was duly adjudicated a voluntary bankrupt, and that the first meeting of the creditors will be held at the Court House in Wheaton, Du Page County, Ill., on Friday, the 21st day of January."

Mr. Payne is a well-known florist and built his first greenhouses in 1893. He had about 25,000 feet of glass, and his flowers were handled by the Chicago Wholesale houses. Mr. Payne has found it an effort to keep things running for several months and several Chicago florists are among his creditors. Thos. S. Huntley was appointed referee.

Scarcity of Coal.

Coal, or the lack of it, has been the all absorbing theme with the florists during the past week. The condition reported last week has continued, and many faced the serious question as to what they should do when the last bit of coal was gone. One large range of houses was kept warm with wood for fuel, till help came in the form of a carload of coal. Many of the smaller ranges would undoubtedly have frozen them over with coal from their reserve supply. As if in sympathy for the situation the weather warmed and the third week in January opened warm with a fine mist in the air.

Personal.

C. C. Cropp completed 25 years of service in Vaughan's Seed Store, of which he is secretary and manager, on January 12th. As a mark of the high esteem in which he is held he was presented with a handsome mahogany desk by the employees of the store and greenhouses. Mrs. Vaughan made the presentation in a very gracious manner.

Visitors—Wm. Dittman, of New Castle, Indiana. Mr. Dittman has 60,000 feet of glass, mostly to American Beauties, and says that from Sept. 1st they bloom steadily. He attributes their non-cropping habits to the fact that he keeps his houses so cool. C. G. Anderson, Kenosha, Wis., who is opening a retail flower store at 220 Main St., Kenosha. Elmer D. Smith, Adrian, Mich.; Edw. Amerpohl, Janseville, Wis.; Albert J. Brown, Grand Rapids, Mich.; Albert McCullough, Cincinnati, O.

Frederick Sperry, of Vaughan & Sperry, is ill at his home in Lake street.

FIRE RECORD.

Short Hills, N. J.—Fire caused by overheated furnace caused damage of \$3,000 to the houses and stock of Thomas Jones, on the evening of Jan. 10. Two houses, filled with asparagus and smilax, and one with carnations, suffered from fire and frost, 25 feet of each house, together with sheds, being burned. Mr. Jones will rebuild sheds with concrete as soon as weather permits.

PERSONAL.

Edwin B. Randolph, florist of Delavan, Ill., was married to Miss Mary A. Aitchison, at La Prairie on Dec. 30.

THE BEST LETTERSFOR THOSE
FLORISTS' MADE
USE BY THE**R****Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Galax and LeucothoeQuality, Packing and Price All Right
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.**"FLOWERS BY TELEGRAPH."**Leading Retail Florists Listed by
owns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMullin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Boston—Charles S. Champney Inc., Delta Building, Post Office Sq.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Lowell, Mass.—Shepard's Garden Carnation Co.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New Orleans, La.—Chas. Eble, 121 Baronne St.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F. St.

Wellesley, Mass.—Talby.

Newport, Ky.—Rudolph Rupner, an employe at the florist establishment of Wm. Speck, killed himself with a shotgun, on Jan. 7. Despondency over family matters was the cause.

SPRING FLOWERS

Our stock of spring flowers is getting better every day and we are offering quite a variety in that line, such as

DAFFODILS

TULIPS

ROMANS

LILAC

PUSSY-WILLOW

You will find this stock of excellent quality.

Business hours: 7. A. M. to 8 P. M.

LEO NIESSEN CO.

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

Adiantum Groweatum

AND DAGGER FERNS, Extra Quality.

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1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE

CUT FLOWERS
51 Wabash Av., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Jan. 14	TWIN CITIES Jan. 17	PHILA. Jan. 18	BOSTON Jan. 20
ROSES				
Am. Beauty, Fancy and Special...	35.00 to 50.00	35.00 to 40.00	40.00 to 50.00	50.00 to 75.00
" Extra	20.00 to 30.00	20.00 to 30.00	25.00 to 30.00	20.00 to 35.00
" No. 1	15.00 to 20.00	15.00 to 20.00	10.00 to 15.00	10.00 to 20.00
" Lower grades	8.00 to 10.00	8.00 to 15.00	6.00 to 8.00	3.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.	8.00 to 12.00	6.00 to 10.00	15.00 to 20.00	8.00 to 12.00
" Lower grades	6.00 to 8.00	4.00 to 6.00	6.00 to 10.00	2.00 to 6.00
Killarney, Fan, & Sp.	10.00 to 15.00	8.00 to 10.00	20.00 to 25.00	15.00 to 20.00
" Lower grades	6.00 to 8.00	6.00 to 8.00	6.00 to 10.00	8.00 to 12.00
Richmond, Fancy & Special	10.00 to 12.00	8.00 to 10.00	20.00 to 25.00	10.00 to 20.00
" Lower grades	6.00 to 8.00	6.00 to 8.00	6.00 to 10.00	8.00 to 12.00
My Maryland	6.00 to 12.00	6.00 to 10.00	10.00 to 20.00	2.00 to 16.00
CARNATIONS, Nov. and Fan. Ordinary				
	4.00 to 5.00	3.00 to 5.00	4.00 to 5.00	3.00 to 4.00
	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	1.50 to 3.00
MISCELLANEOUS				
Cattleyas	35.00 to 50.00	40.00 to 50.00	..... to 75.00	..... to 50.00
Lilies	12.00 to 15.00	12.50 to 15.00	15.00 to 18.00	12.00 to 15.00
Lily of the Valley	3.00 to 5.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Violets .....	.75 to 1.50	1.00 to 1.50	.75 to 1.00	.50 to .75
Mignonette	3.00 to 6.00	5.00 to 6.00	4.00 to 6.00	2.00 to 4.00
Sweet Peas	1.00 to 1.00 to 1.50	1.00 to 1.50	.75 to 1.00	.75 to 1.00
Roman Hy. Paper Whites	4.00 to 6.00	2.00 to 3.50	2.00 to 3.00	1.00 to 2.00
Trumpet Narcis	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00
Gardenias	20.00 to 25.00	30.00 to 40.00	25.00 to 40.00	25.00 to 30.00
Adiantum .....	..... to 1.00	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 15.00	12.50 to 15.00	12.00 to 16.00
Asparagus Plumosus, strings (100) ..	50.00 to 60.00	35.00 to 50.00	35.00 to 50.00	..... to 50.00
" & Sprea. (100 bchs.) ..	20.00 to 40.00	25.00 to 35.00	35.00 to 50.00	..... to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK

Long Distance Phone Randolph 2758. Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. Roses and Carnations Our Specialty.

BOSTON Business is unseasonably quiet here this week. It is no time for changing prices, but if the product was heavier than it is at present there is no doubt that values would be forced downward in a most disastrous way. If business was normal in volume the supply would surely run short, but the fact is that it is unusually inactive for this season of the year. There is an evident scarcity of Richmond, Beauty and Killarney roses and on the other varieties there is no overstock. Trumpet narcissi are selling at a lively clip. Other bulbous stock goes slow. Violets are tending downwards.

BUFFALO The market took a decided change the past week and stock on most lines was on the scarce list, especially roses of short and medium quality. There has been an exceptionally good demand for white material and white roses had a heavy call. The demand is increasing daily for White Killarney and some excellent stock is coming in. My Maryland, Richmond, Killarney, Bonsilene and Perle have been excellent. Beauties are not plentiful and have had no great demand. There has been a good supply of carnations which have had a fair demand, the light colors moving well. All other stock in normal supply. Asparagus is somewhat short in supply, but there is plenty of smilax.

CHICAGO A complete change has taken place in market conditions during the past week. Where an over-abundance of nearly all kinds of stock was to be seen then, the tables now are comparatively empty. Not one sunny day so far this month, and each day finds plants more and more off bloom and the growers say they see no prospects of any immediate improvement. Carnations have been so plentiful that prices were very unsatisfactory, and now the tables are turning and the grower having a good stock of carnations has been able to take in the dollars. Roses are soaring also and the stock is so scarce there is no telling where the price may go. All kinds of white flowers are scarce. Violets are coming in from the East in good shape and selling readily. Bulbous stock is in fair supply.

WASHINGTON Since the last meeting there has been a decided slump in the flower market. Carnations went tumbling down, fine flowers selling for \$1.50 per hundred. Roses, too, are demoralized, but not so bad as carnations. All bulbous stock is congested, especially narcissi, which sell from \$1.50 per hundred down. Good observers, though, seem to think that prices will stiffen before another week. Washington cleaned out New York, Philadelphia and Chicago the past week on yellow orchids.

(Reports continued on page 127)

New York City.—Ford Bros., wholesale florists, 48 W. 28th street, will remove on May 1 to the store next door, now occupied by the Manhattan Market. A. H. Langjahr, now located at 55 W. 28th street, will take the store vacated by Ford Bros.



The Hose Question

Isn't it about time you were thinking of getting some new lengths of Hose to replace those old ones that have been patched and mended so often that your men are losing patience? Besides that—think of the time and labor cost trying to keep them in working order?

The P/M Brand

This brand has been made specially to our own order and specifications, and stands the rough usage of the greenhouse better than any other make at the price. Quality guaranteed 25 and 50 ft. lengths. 16c. per ft., couplings included.

The Bull Dog Brand

Next to the P/M this well-known make is in great favor with florists, 15c. per ft., couplings included.

The 30c. Hose

This may sound an extravagance to many and yet we are told by some of our customers that it is even more economical in the long run than anything lower priced. 30c. per ft., couplings included. All hose sold by us is guaranteed.



Ribbons and Supplies

Note this well as to our ribbons: Every florist using them feels that he has the latest and choicest the world affords, and that his work has that exclusiveness and individuality about it not obtainable in using inferior makes. We also have the finest line in florists' fancy pins and all kinds of supplies.

Send for Catalog

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Jan. 18		Jan. 16		Jan. 18		Jan. 18	
ROSES								
Am. Beauty, Fan. and Sp.	30.00	to 40.00	30.00	to 40.00	40.00	to 50.00	40.00	to 50.00
“ Extra	25.00	to 30.00	15.00	to 25.00	20.00	to 30.00	20.00	to 30.00
“ No. 1.	15.00	to 20.00	8.00	to 10.00	10.00	to 15.00	8.00	to 10.00
“ Lower grades	8.00	to 10.00	6.00	to 8.00	6.00	to 8.00	.....	to
Bride, 'Maid, Chateau, F. & S.	6.00	to 10.00	6.00	to 8.00	10.00	to 15.00	10.00	to 15.00
“ Low gr.	4.00	to 6.00	4.00	to 6.00	4.00	to 8.00	6.00	to 8.00
Killarney, Fan. & Sp.	6.00	to 10.00	6.00	to 8.00	10.00	to 15.00	12.00	to 15.00
“ Lower grades	4.00	to 6.00	4.00	to 6.00	4.00	to 10.00	6.00	to 10.00
Richmond, Fancy & Special	6.00	to 10.00	6.00	to 8.00	12.00	to 15.00	10.00	to 15.00
“ Lower grades	4.00	to 6.00	4.00	to 6.00	6.00	to 12.00	4.00	to 8.00
My Maryland	4.00	to 10.00	4.00	to 8.00	8.00	to 15.00	.....	to
CARNATIONS, Novelties and Fancy								
“ Ordinary	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	2.00	to 3.00
“	1.00	to 2.00	1.00	to 3.00	2.00	to 3.00	.....	to 1.50
MISCELLANEOUS								
Cattleyas	50.00	to 60.00	.....	to	50.00	to 75.00	1.00	to 75.00
Lilies	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.00	to 16.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	4.00	to 5.00	2.00	to 4.00
Violets	50	to 1.00	.....	to	75	to 1.25	.....	to 1.00
Mignonette	8.00	to 10.00	6.00	to 8.00	3.00	to 5.00	3.00	to 6.00
Sweet Peas	1.00	to 1.50	50	to 1.00	75	to 1.00	50	to 1.50
Roman Hy. Paper Whites	1.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Trumpet Narcis.	3.00	to	4.00	to	4.00	to 5.00	4.00	to
Gardenias	20.00	to 40.00	.....	to .....	.....	to	30.00	to 40.00
Adiantum	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	.....	to 1.00
Smilax	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 50.00	30.00	to 50.00	25.00	to 50.00	40.00	to 50.00
“ “ & Spren (100 bchs.)	.....	to 25.00	30.00	to 50.00	25.00	to 50.00	35.00	to 50.00

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
 for quotations. Correspondence with
 shippers of first-class stock invited.
 55 West 28th Street, New York
 Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist

55 WEST 28th ST.
 Tel. 1462 Madison Square New York
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B. S. SLINN, JR.
VIOLETS

Selling Agent for the Largest and Best
 Growers in the Hudson River District.
 55 and 57 West 26th St., New York City.

FRANK MILLANG

Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.

Greater New York
Florists' Association,
 Inc.

Now Open for Cut Flower Consignments
 162 Livingston Street, BROOKLYN, N. Y.
 Geo. W. Crawbuck Telephone Connection
 Manager 3642-43 Main

Moore, Hentz & Nash

Wholesale Commission Florists

55 and 57 West 26th Street
 Telephone No. 756
 Madison Square New York

MILLANG BROS.

WHOLESALE FLORISTS
 41 West Twenty-Eighth Street
 'Phones 3860 Madison Sq. NEW YORK
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REED & KELLER
 122 West 28th St., New York
Florists' Supplies

We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Glassware Decorative Greens and Florists' Requisites

JOHN I. RAYNOR

Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**
 A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices
 TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

39 West 28th Street, New York
 Telephone: 3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
 CARMENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
 till 10 a. m.

Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

Finest Lilies in the Market Every Day in the Year.

CUT FLOWERS**NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Jan. 15 1910		First Half of Week beginning Jan. 17 1910	
American Beauty, Fancy and Special.....	25.00	to 40.00	50.00	to 75.00
" " Extra.....	15.00	to 30.00	15.00	to 30.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, Maid, Golden Gate, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Killarney, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Richmond, Fancy and Special.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
My Maryland.....	3.00	to 15.00	3.00	to 15.00
Carnations, Fancy and Novelties.....	3.00	to 5.00	3.00	to 5.00
" Ordinary.....	1.50	to 2.00	1.50	to 2.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
 FLOWER MARKET SECTION

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Wholesale Florist
 55 & 57 W. 26 St., NEW YORK
 Telephone 7062 Madison

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
 Southern Smilax, Galax and Leucothoe.
 Preserved and Fresh Cut
 [Cycas and Palmetto.
 Tel. 1519 Mad. Sq. 113 W. 28 St., New York.
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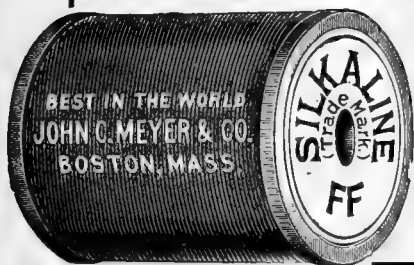
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Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

Durand & Marohn

MANUFACTURERS OF
All Kinds of Wire Work
 Florists' Wire Designs a Specialty
 24 Beaver St., ALBANY, N. Y.

MEYER SILKALINE



FFF Green for Smilax.
FF Green for Mossing.
F Green for bunching flowers
and general work.

8 Spools
to Box.

A Violet for bunching and tying Violets.
(12 spools to box — \$1.25 per box.)

For Sale by all reliable Florists and
Seed Houses.

JOHN C. MEYER & CO.
LOWELL, MASS.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

WHOLESALE FLORISTS

54 West 28th St.
NEW YORK

Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.

CONSIGNMENTS SOLICITED.



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



Flower Market Reports.

(Continued from page 125)

The market is fairly
NEW YORK active and shows con-
siderable improvement
over the record for the two preceding
weeks. Buyers are critical and it is
only the choicest grade of material
that will realize the standard prices.
On Monday a very pronounced activity
prevailed in the wholesale district, but
Tuesday's conditions were very flat,
due mainly to the inclement weather.
The supply is not burdensome on any
line, carnations alone showing any
tendency to over-abundance. Golden
Spur narcissi are coming in quite freely
now and are of good quality, consid-
ering the date. Tulips are also begin-
ning to make an impression, but a
majority of them are short stemmed,
and the price realized for such is very
small—hardly enough in some in-
stances to pay cost of bulbs. As an
oddy a few chrysanthemums still
linger about. English wall-flowers are
seen in goodly quantity and they seem
to be well liked.

The market here
PHILADELPHIA toned up a little
last week. There
may not have been very much increase
in business but supplies slackened up
considerably. Growers who made a
special effort for the holiday trade are
shipping very little at present. Ameri-
can Beauty roses are scarcer with
prices holding firm. Other roses are
keeping up very well as to quality.
The most activity seems to be among
the shorter grades; which are in de-
mand for design work—and for the
time being bring a proportionately
better price than fancy stock. "Good
goods always sell themselves"—if there
is a market for good goods! Carna-
tions a little more plentiful, with
prices rather low. The cold, stormy
weather has kept people indoors more
than in average years and the general
trade feels it. Prices are not as good
as at this time last year; but from
reports from New York, Chicago, and

GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for
the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Jan. 15 1910		First Half of Week beginning Jan. 17 1910	
Cattleyas.....	40.00	to 50.00	25.00	to 50.00
Lilies.....	10.00	to 15.00	8.00	to 12.00
Lily of the Valley.....	1.00	to 4.00	1.00	to 3.00
Narcis. Paper White.....	1.00	to 2.00	1.00	to 2.00
Trumpet Narcis.....	2.00	to 4.00	2.00	to 4.00
Tu ips.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.40	to .75	.30	to .75
Mignonette.....	2.00	to 6.00	2.00	to 6.00
Sweet Peas (per 100 bchs).....	4.00	to 10.00	4.00	to 10.00
Gardenias.....	10.00	to 35.00	5.00	to 30.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 25.00	20.00	to 25.00
" " & Sprigs (100 bchs).....	20.00	to 30.00	20.00	to 30.00

Boston, it would seem that Philadel-
phia is no worse off. Perhaps a little
better if anything—and certainly much
steadier. There are fewer gardenias
around and the demand for these is
very fair. Orchids, violets, lily of the
valley and other staples, seem to be
in ample supply at moderate prices.
Pink snapdragon is on the scarce list.

IN BANKRUPTCY.

In the District Court of the United
States for the Southern District of
Ohio, Eastern Division.

In the Matter of Armondo L. Munk,
Bankrupt. No. 2177—In Bankruptcy.
To the creditors of Armondo L. Munk
of Mt. Gilead, in the County of

Morrow and District aforesaid, a
Bankrupt.

Notice is hereby given that on the
11th. day of January, 1910, the said
Armondo L. Munk was duly adjudi-
cated bankrupt; and that the first
meeting of his creditors will be held
at the Clerk's office in the Court
House in Mt. Gilead, Ohio, on the 25th.
day of January, 1910, at 9 o'clock in
the forenoon, at which time the said
creditors may attend, prove their
claims, appoint a trustee, examine the
bankrupt, and transact such other
business as may properly come before
said meeting.

Dated at Cardington, O., Jany. 13,
1910.

W. P. VAUGHAN,

Referee in Bankruptcy.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

AZALEAS

A. Leuthy, Roslindale, Mass.
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

Edward Wallis, Atco, N. J.
For page see List of Advertisers.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.
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CANNAS

500,000 Cannas, 100 leading kinds, home grown, \$8.00 per 1000 and more. Price list free. Shellroad Green houses, Grange, Baltimore, Md.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for immediate delivery.
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Carnations Alma Ward and Mrs. C. W. Ward.
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Carnation Dorothy Gordon.
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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

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Elmer D. Smith & Co., Adrian, Mich.
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2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracena Indivisa in 3 1/2 and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Chrysanthemum Stock Plants.—Golden Glow, Pacific Supreme, White Cloud, Oct. Frost, Early Snow, White Ivory, White Bonaffon, 3c.; Merry Christmas, Dr. Enguehard, Yel. Bonaffon, 4c.; Gloria, 10c. Stafford Floral Co., Stafford Springs, Conn.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

Coleus, best varieties, strong rooted cuttings, 50c. per 100; \$4.50 per 1000. Thompson & Sons, Sta. D., R. R. 1, Milwaukee, Wis.

Coleus, \$4.00 per 1000; 60c. per 100 by mail; 50,000 good, strong, clean, well rooted cuttings, now in sand, 300,000 more coming on. Verschaffeltii, Golden Bedder, Queen Victoria and all other leading varieties. Come and see them. Cash with order. C. Schulze & Son, 261-275 Lawrence St., Flushing, Long Island, New York.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H. N. Y. Office, 20 East 42nd St.

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Jantzen & Hoebel, Hicksville, N. Y.
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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

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Ferns for Dishes.

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F. R. Pierson, Tarrytown-on-Hudson, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornblir, 6417 Carnegie Ave., Cleveland, O.

GLADIOLI

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GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

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H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham. Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

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GREENHOUSE BUILDING MATERIAL

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Pecky Cypress for Benches.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

Nicotide kills all greenhouse pests.
P. B. Palethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stumpp & Walter Co., 50 Barclay St.,
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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**LANDSCAPE GARDENING
COURSE**

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LILY OF THE VALLEY PIPS

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20, Copenhagen, Denmark.
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Wm. Elliott & Sons, New York, N. Y.

MATS

Mats for hotbeds and coldframes. Not
only the most practical but the cheapest on
the market. Send for circular. J. P.
Watts, Kermoor, Pa.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

John Waterer & Sons, Ltd.,
American Nursery, Bagshot, England.

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New Berry Plants.
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German Nurseries and Seed House,
Beatrice, Neb.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

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ORCHID PLANTS

Lager & Horrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importers, Exporters, Growers, Hybridists.

Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordones Bros., Madison, N. J., Box 106.
C. Lablata: D. Bigibum Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

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PATENTS

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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfeld, West Point,
Neb.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. H. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

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Metropolitan Material Co., 1328-1408 Met-
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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
ham, 1133 Broadway, N. Y.

PLANT PRESERVATIVES

Keep your ferns six months without cold
storage; flowers, 20 to 30 days, at practi-
cally no cost. Formula and complete in-
structions on receipt of \$1.00. Barton, 110
Portsea St., New Haven, Conn.

PLANT STAKES

Seale's Tieless Plant Stakes and Trellis-
es. H. D. Seale & Sons, Elkhart, Ind.

PLANT TUBS

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Henry A. Dreer, Philadelphia, Pa.

POTASH

German Kali Works, New York, N. Y.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 3
inch, 2c.; Obconica Rosenderfer, Lattmann
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 829 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work,
lowest prices. Samples for stamp. O.
Fink, Pottstown, Pa.

PRIVET**CALIFORNIA PRIVET.**

500,000 3-yr. plants with 12 to 20
branches, have been transplanted once and
cut back 2 yr., \$4.00 per 100; \$37.50 per
1000, packed. Will make a good, close
hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10
to 12 branches, cut back 1 yr., \$3.00 per
100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched,
\$2.00 per 100; \$17.50 per 1000, packed.
500 to 1000 rate. Cash with order.

John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

Henry A. Dreer, Philadelphia, Pa.
Rhododendrons for Forcing.
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John Waterer & Sons, Ltd.,
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The Rose, by H. B. Ellwanger; mailed
for \$1.80 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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Chrysanthemums and Aster Seed.

SILKALINE

John C. Meyer & Co., Boston, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPIREA

Joseph Breck & Sons, Corp., Boston.
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STRAWBERRY PLANTS

The best standard and new varieties.
Catalogue free. Lake View Nursery, Poy
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Model encased, self-oiling gear; Standard
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Helton & Hunkel Co., Milwaukee, Wis.

William E. Hellacher's Wire Works, 33-40
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Wirework—Compare our prices with
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WHOLESALE FLORISTS**Boston**

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New Offers in This Issue.

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TWO NEW ROSES.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTI- CULTURISTS.

Registration of Rambler Rose.

(Name not given, Ed.)

Public notice is hereby given that the application of Mr. Southwick Cary Briggs of 1719 Lamont St., Washington, D. C., for the registration of the rose described below having been submitted to the American Rose Society on December 13, 1909, and no reply having been received from them within the required time, the registration becomes complete.

Raiser's description.

Color, delightful shade of deep pink, flower 3 inches in diameter, semi-double, free-flowering, 5-7 blossoms on a spray. Habit: vigorous grower and very hardy. Parentage: hybrid of Madame Gabriel Luizet X Wichuriana, seedling crossed by Baron de Rothschild.

H. B. DORNER, Secretary.
January 12, 1910.

The regular meeting of the Buffalo Florists' Club is to be held on Tuesday, Feb. 1st. Very important matters are to come up and nominations of officers is also in order. President Slattery is booked for another paper and a good attendance is looked for.

Obituary.

Joseph A. Dirwanger.

Joseph Anton Dirwanger, at one time the leading florist of the city of Portland, Me., but who has been laid aside by illness for a number of years, died at his home, No. 145 High street, Friday night, January 14, from a complication of disorders which have sorely afflicted him for a long time past.

Mr. Dirwanger was born in Bavaria, Germany, 83 years ago and learned the trade of a florist in the Royal Gardens of the King of Bavaria, then a separate country. He came to this country in 1851. He was employed as gardener on the estate of Gen. Rathbone, Albany, N. Y., and of John M. Wood of Portland. He then went into business for himself, having his greenhouses located in the rear of the old Dow mansion on Congress street. He was located there for a long time, nearly 40 years in all.

Mr. Dirwanger was a well-informed gardener and particularly successful in



JOSEPH A. DIRWANGER.

the culture of orchids, acacias, ericas and subjects of a similar nature and at his establishment there could always be found something out of the common, a fact which drew for him the acquaintance and patronage of the best society people of Portland.

Socially, Mr. Dirwanger was a gentleman—a nobleman, rather—in whom the affable and companionable traits were very highly developed. An unstinted and open-hearted welcome always awaited the visitor at his home and he was never so happy as in the society of his florist and gardener friends, to whom he always extended the most generous hospitality, by whom he was greatly beloved and in whose esteem he took a pride that was almost child-like. No man ever lived who was more deeply appreciative of a courtesy. He was a nature lover and fishing was his great pastime and in his years of infirmity his delight was to rehearse in memory the happy bygone days on the trout streams and lakes of Maine and New Hampshire. It was his custom for

years to get together an annual fishing party of congenial spirits and spend a week or two in the wilds. Many well-known florists of Boston, New York and Philadelphia were from time to time participants in these outings, among the latter being the late W. K. Harris, between whom and Mr. Dirwanger there existed a very close friendship.

For many years Mr. Dirwanger was a member of the Society of American Florists, serving as vice-president for his state, and attending the conventions accompanied by his wife.

He is survived by his widow and several children, including Miss Elizabeth Dirwanger, Mrs. George N. Coyle, Mrs. J. E. Richards, all of Portland, and a son, Joseph A. Dirwanger, Jr., whose home is in California. He is also survived by his brother, Albert, who has also been a florist in Portland many years.

George Milne.

George Milne, who has conducted a florist greenhouse on Lincoln street, Winchester, Mass., for the past six years, died at his home on Tuesday, January 11, of cerebral hemorrhage after an illness of two days. He was born in Scotland and was in his 42nd year. Mr. Milne leaves a wife and two sons, besides two brothers and two sisters living at Quincy, Mass., and in Scotland. The burial was in Wildwood Cemetery.

George P. Bloomer.

George P. Bloomer, formerly of Brooklyn, but latterly a resident of Bellmore, L. I., became exhausted by the severe storm Jan. 14 and died on the veranda of his home. He was 82 years old, and for some years was a florist at Bellmore.

James M. Dean.

James M. Dean, 86, nurseryman at New Canada, Minn., for 46 years, died at his home Tuesday afternoon. He leaves a widow and six children, one of whom is a teacher in the St. Paul public schools.

Mrs. J. C. Craig.

Nellie, wife of J. C. Craig, florist, died on January 15, at her home, 738 Oakley Boulevard, Chicago. The funeral was held on January 18, and interment was at Mount Carmel.

D. W. DeMott.

David W. De Mott, a well known violet grower for the New York market, died at his home in Highwood, N. J., on Thursday, January 13.

Luther A. Line.

Luther A. Line, formerly engaged in floriculture, died at his home in Carlisle, Pa., on Jan. 6, aged 75 years.

NATIONAL FLOWER SHOW.

The National Flower Show Committee had a meeting in Boston on Friday and Saturday of last week. In addition to the local representatives there were present President F. R. Pierson and Messrs. Robert Craig of Philadelphia, and W. A. Manda of South Orange, N. J. The committee has many knotty problems to solve and they are working on them with might and main.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—March 15th, a Nurseryman of experience in packing and grading, and also a herbaceous man. Chas. R. Fish & Co., Worcester, Mass.

SITUATIONS WANTED

WANTED—A position under a good gardener in a private establishment by a respectable young man, aged 23 years, five years' first class experience. Address T. A. H., 17 Everett St., Wellesley, Mass.

FOR SALE

FLORIST PLACE FOR SALE—Fully equipped and in good running; half way between New York and Boston, in town of 7000, with 7 or 8 small surrounding places to cater to. Good retail business, cut flowers, plants and designing. Excellent place for wholesale trade, having 11 shipping facilities. Place consists of 8½ acres of land, fine 8-room dwelling house, steam heated, practically new; barn with carriage shed and outbuildings, hen houses, etc.; greenhouses and large pottery shed, 2500 ft., and 1000 ft. glass respectively, heated by one large hot water boiler; new boiler already set up for another greenhouse which is needed to supply local demand. Own unlimited water supply with newly built pump house and pump; costs nothing but the pumping. Place started and built four years ago. Large Protestant cemetery 3 min. walk, with new Catholic cemetery being laid out within view of this place. Store down town sells plants and flowers all the year round. Reason for selling: have other business taking all my time when the florist is hustling. Will assist buyer in every way. This is a real business proposition and worth looking into. Price \$7000. Address W. S., care HORTICULTURE.

FOR SALE—500 boxes of double glass, from 10x12 to 16x24; prices positively cheap to get rid of it on the grounds as it must be taken away within the month; also 2 of largest Furman Sectional Boilers practically new, used 2 seasons, 20,000 feet pipe from 1 up to 4 inch, wrought and cast iron. At Duncan Greenhouses, Sparkill, N. Y. Address M. Tomlack, Post Office, Sparkill, N. Y.

FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 1 13-room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland, Ohio.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

by Henry I. Moon, on "Nurseries and Points of Horticultural Interest at Home and Abroad," with over 150 illustrations by lantern slides.

Short speeches were made by members of the firm and others and music was rendered by some of those present.

NEWS NOTES.

Beaumont, Tex.—Ed and Jerry Stedman have purchased eight acres of land in the vicinity of the Country Club, to establish a strawberry farm. A modern hot house will be erected.

Chatham, N. J.—W. J. Badgley has bought out the stock of the other shareholders in the Wilson Plant Oil and Fertilizer Co. He will carry on the business under the same name as before.

DURING RECESS.

Morris County Gardeners' and Florists' Society.

The fourteenth annual smoker was combined with the installation of officers and it was a successful affair all through. Besides members of the society we had a goodly number of outside visitors, Monmouth county, Orange, Bernardsville and Elberon each sending a delegation. Arthur Herrington was master of ceremonies, ably seconded by Messrs. Duckham, Schultz and Totty. The talent which entertained was fine, and the funny songs and characters kept the audience in a roar. A "full and plenty" of everything to satisfy the inner man was on hand. Letters of regret were read from Wm. J. Stewart and J. Austin Shaw.

Announcement was made that the Chrysanthemum Society of America would hold their next meet in Morris-town and would also exhibit in conjunction with the local society and all the assisting clubs, a number of which have already pledged themselves.

E. R.

The Greek Ball.

The annual ball of the Greek-American Florists' Association was held at the Terrace Garden, New York City, on Monday evening last. It was a record crowd that thronged the brilliantly lighted and lavishly decorated building, there being not less than two thousand people in attendance, including many representatives of the wholesale and retail florist trade of the metropolis and as a special dignitary, the Greek ambassador, who came from Washington and made an eloquent address from one of the boxes. It was a splendid affair in every detail and an object lesson in what may be accomplished by united effort in which every interested individual gives the best that is in him. There were many blinky eyes in evidence in the wholesale district Tuesday morning, for it was close to daylight when the gay affair came to a close.

Fun at Morrisville, Pa.

On the evening of January 14th the Wm. H. Moon Co., of Morrisville, Pa., gave a dinner for their foremen and office men, about sixteen in all. After a bounteous menu a lecture was given

Evergreen Brand

A New Fertilizer

Specially manufactured for growing FLOWERS, FERNS, PALMS, etc.

It contains all the PLANT FOOD elements necessary to plant growth, and is compounded in proper proportion to get the best results in growing FLOWERS and PLANTS.

It removes Acid from the soil, consequently sweetens sour land and makes it productive.

It permanently enriches the soil.

It is all available.

Contains no "filler."

The plants can use it all.

Now Used by Largest Growers, With Excellent Results

JOHN W. POEHLMANN, PRES.
A. H. POEHLMANN, V. PRES.
AUG. F. POEHLMANN, SECT. & TREAS.

1,500,000 Sq. Feet of Glass

PHONES—
GREENHOUSE: MORTON GROVE 201-202
RESIDENCE: " " 1 AND 282

Poehlmann Bros. Company
GROWERS AND WHOLESALERS

Specialties
Roses, Carnations and Chrysanthemums

Store: 33-35-37 Randolph St.
Chicago

Mail all Plant Orders direct to
Morton Grove

Morton Grove, Ill., Oct. 6th, 1909.

Mr. D. D. Johnson

Dear Sir:-

We have used the 6 cans of Evergreen
Brand Flower Fertilize shipped us Sept. 6th and
noted remarkable results.

You may increase our second order of
500 to 2000 lbs. and ship soon as possible.

Yours truly,
Poehlmann Bros. Company.

Aug Poehlmann

Odorless and Sanitary

It will annihilate all disease germs; thus it prevents stem rot and other diseases from destroying the plants.

The Price is Low

compared with common Fertilizers or Bone Meal, for when purchasing the EVERGREEN BRAND you get PLANT FOOD, hence eliminating the expense and handling of "filler" or "make weight" material usually found in large quantities in common Fertilizers.

It is immediately soluble in water. Can be used Dry or in Solution.

1 lb. to the 100 Sq. ft. of Benching

TRY IT. We have arranged to ship small quantities, as follows: Boxes containing 1, 2, 4, 6 or 8 cans each.

Cans contain 12 pounds. Price \$2.00 per can. Terms net cash with order.

Full instructions with each shipment.

For Sale by All Leading Jobbers

D. D. Johnson Company

Manufacturers

66 Wabash Ave., CHICAGO

ROCHESTER FLORISTS' ASSOCIATION.

More than sixty members gathered in the Association's new rooms in the Cutler Building, on Monday evening, January 10th. The new club rooms are centrally located, convenient and pleasant, and plans are under way to have on file the various horticultural journals, and books of interest to the profession will be available at an early date.

The annual business meeting was held at the same time, and the reports of the officers were exceedingly satisfactory. That the Association is an assured success and in a most prosperous condition is shown by the report of Mr. W. L. Keller, treasurer. The report showed the receipts from the Flower Show and other sources to be \$1637.34, and a balance on hand of \$1367.06, as against \$12.00 last year.

A proposed revision of the Constitution was also presented, but action was deferred one week, at which time it is to be made a special order of business. It is probable that the name will be changed to The Rochester Florists' Association, which will permit many to become members who are connected with the nursery and seed trade, as well as private florists and gardeners.

Among other suggestions, that of a Question Box received hearty approval, and it will be made a feature of the regular meetings. So successful have the officers conducted the affairs of the Association during the past year, that a motion was made that the following officers be re-elected for the ensuing year, and was unanimously carried: President, F. W. Vick; vice-president, E. P. Wilson; secretary, H. B. Stringer; treasurer, W. L. Keller.

After the business of the evening was transacted, a lunch was served.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of the Society was held in Pembroke Hall, Wednesday, January 12. All the newly elected officers were at their posts, president James Duthie occupied the chair, and over forty members were present. President Duthie opened the meeting with a few well chosen words for the welfare of the Society, and was duly applauded.

The annual dinner of the Society will be held at the Oriental Hotel, Glen Cove, N. Y., January 25, and anyone caring for a grand feast and a jolly good old time should secure tickets at once.

A splendid exhibit of carnations was made by Geo. Wilson, which well deserved the cultural certificate given. On motion, Mr. Wilson promised to teach us next meeting how to grow beauties like those exhibited.

Instead of the point competition it was voted to have monthly prize contests, and the February meeting will be Carnation Day. Three prizes are offered for vases of 12 white, 12 pink and 12 red, also cultural certificate for best vase of 12 mixed carnations.

A first prize of \$10.00, donated by President Duthie, and a second of \$5.00 offered by Mr. A. Morrison, are to be given at the end of the year to

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave., Chicago, Ill.

the two competitors winning the largest number of prizes.

With a good reserve of cash in bank and a fine set of officers, with James Duthie in the chair, an executive committee which knows how to do business, and trustees as good as bankers, there is no doubt that 1910 will be the banner year of this society.

OSCAR E. ADDOR, Cor.-Sec.

ALABAMA STATE HORTICULTURAL SOCIETY.

The Seventh Annual Session will meet in Bessemer on Friday, January 28th, and Saturday, January 29th, 1910.

Bessemer is a hustling city and is within easy access of Birmingham. The steam and trolley rail service between the two cities is excellent. The Committee in charge is endeavoring to secure special rates over the railroads of the state for those coming to the meetings. It is announced that all who contemplate attending the meetings will be cordially entertained free by the citizens of Bessemer by sending in their names to Mr. W. R. Gunn, secretary board of trade of that city.

The full program will be issued in a few days. Papers and discussions will be given on horticultural subjects such as fruit growing, both in the home garden and for market; vegetable gardening, plant diseases, destructive insects, forestry, landscape gardening relating to the beautification of the home and school grounds and the city itself, and other topics of interest.

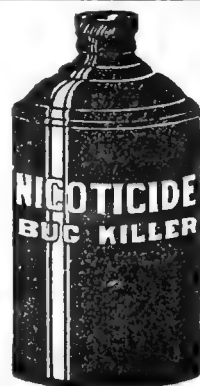
Among the many speakers will be Mr. Walter Swingle, of Washington, D. C., on citrus fruits of Alabama; Dr. J. F. Wilson, of Poulan, Ga., on the pecan; Prof. F. E. Lloyd, the State Botanist, presenting a special feature in the form of a public lecture, illustrated by lantern slides, on a description of the Mexican Desert Plateau, including among the wild plants the Guayule, a rubber plant upon which \$30,000,000 of American capital has been invested; an illustrated lecture on forestry, by P. F. Williams; Injurious Insects, by Dr. W. E. Hinds, of Auburn.

W. F. Heikes, of Huntsville, is president, and P. F. Williams, Auburn, Ala., is secretary.

"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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The Best Bug Killer and Bloom Saver

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P. R. Patethorpe Co. OWENSBORO, KY.

green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back: why try cheap substitutes that makers do not dare to guarantee.

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The best of all the tobacco dusts for



Dusting or Fumigating

25 lbs. \$1.00 100 lbs. \$ 3.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.00

Stump & Walter Co.

50 Barclay St., New York.

Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

DEMING SPRAYERS

and are made in 23 styles for use in small gardens or immense orchards.

Write for our 1909 catalog with Spraying Chart. Add 4 cents postage and receive "Spraying for Profit," a useful guide book.

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POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

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CHICAGO, ILL.

WRITE FOR CATALOGUE AND DISCOUNTS

FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

The 14th annual banquet of this club was held at the Westminster Hotel, Providence, on Jan. 18.

During the evening the newly elected officers were inducted and the retiring president, Charles S. Macnair, was presented a gold fountain pen. There were nearly 50 members and guests at the tables. After the dinner, Michael J. Sweeney was introduced as toastmaster. His introductions of the several speakers were original and witty.

Responses were made by William Appleton, William E. Chappell, James B. Canning, Alex. Macrae, James Hockey, Joseph F. Schellinger, William S. Pino, Dr. Holland, H. H. Pepper, Owen McManus, Cornelius G. Hartstra and Eugene Appleton. These were interspersed with music. Prof. H. J. Wheeler made an address on the horticultural possibilities of New England.

The new officers of the club are: President, Robert Johnson; vice-president, Eugene Appleton; secretary, William E. Chappell; treasurer, William Hill.

PERSONAL.

J. P. Cleary sailed from New York on January 8 on the "Minnewaska" for London.

T. Mellstrom, representative for Sander & Sons, will sail for Liverpool on Wednesday, January 26, on the Campania.

S. Woodrow, recently in the employ of the Fernwood Nurseries, has taken a position as traveling salesman in New York City and Hudson River territory for Bobbink & Atkins.

Charlie Schimmell of Ford Bros., wholesale flower establishment on West 28th Street, New York, has been dangerously ill with pleuro-pneumonia for two weeks. His condition has considerably improved this week.

Visitors in Boston: J. A. Peterson, Cincinnati, Ohio.; T. Mellstrom, representing F. Sander & Son, St. Albans, England.

Visitors in Philadelphia this week: L. W. Wheeler, representing Peters Co. and other California seed growers; Edward Roehrs, representing Julius Roehrs Co., Rutherford, N. J.

New York visitors: H. Van Zonneveld, of Van Zonneveld Bros. & Philippo, Sassenheim, Holland; L. W. Wheeler, representing California and Colorado seed growers; L. M. Kimberlin, Santa Clara, Cal.

SPRINGFIELD, OHIO, NOTES.

The Florists' Club.

The Springfield Florists' Club held a social session on the evening of Jan. 10, to which every florist in the vicinity, not a member of the club, was invited as a guest.

The affair was a most enjoyable and profitable one for all who attended; tables were set in the packing house of the Highland Floral Co., handsomely decorated with potted plants by that enterprising firm, and heavily loaded with all the things that go to make up a good, square meal for a hungry man.

Dinner was announced at 6.30 and about 35 members and guests "drew up and fell to," giving hearty approval to the menu prepared and served by the club's excellent standing committee on refreshments.

After the tables had been cleared and cigars passed, opportunity was given for expression of views, more especially concerning the interests of the local florists, and some points were suggested from which good results are expected.

The contemplated flower show to be held here next fall came in for full share of discussion; a creditable showing will no doubt be made when the time comes.

Trade and Personal News.

All the mail order houses here are busy mailing their catalogues, about a million of the books being now ready for distribution; the "Blue Rose" is the prominent feature of several of the lithographed covers. The general feeling is that an increased trade will be enjoyed the coming season and large preparation is being made for it.

The Schmidt & Botley Co. have just completed a commodious cold storage house, and will be in fine shape to care for their large bulk of dormant stock.

The Fairview Floral Co., under its new management, have issued a handsome 100-page catalogue with lithographed cover, and will make a strong bid for a share of spring business.

Club President Murphey and John M. Good are both confined to their homes with illness and have the sincere wish of all for speedy recovery.

Ed. George, of Painesville, O., and C. Betcher, of Canal Dover, O., were recent visitors. GEO. H. MELLER.

A FERTILIZER APPROVED.

The unqualified endorsement of a house of the standing of Poehlmann Bros. invests the advertisement of Evergreen Fertilizer on page 134 of this issue with especial interest and convincing strength. The fertilizer question is one of the most vital with which the cultivator has to contend and if the D. D. Johnson Co.'s products are what the Chicago florists' testimonials lead us to believe, they will

find plenty of good business coming their way.

Mr. Johnson, who is a young man of ability, spent most of his time last year giving tests of his fertilizer through Michigan, using it upon celery and other market garden crops with much success, and this year he is pushing the floricultural end of the business.



DREER'S

Florist Specialties
New Brand New Style
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
1/4-inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
2 Reels, 1000 ft., 14 c.
3/4-inch, 13 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crates	\$4.88	144 6 in. pots in crates	\$3.16
1500 2 1/4 " "	5.25	120 7 " "	4.20
1500 2 1/2 " "	5.00	60 8 " "	3.00
1000 3 " "	6.00	HAND MADE	
800 3 1/2 " "	5.80	48 9 in. pots in crates	\$3.60
500 4 " "	4.50	48 10 " "	4.80
456 4 1/2 " "	5.24	24 11 " "	3.60
320 5 " "	4.51	24 12 " "	4.80
210 5 1/2 " "	3.78	12 14 " "	4.80
		6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

American Flower and Tree Tub.

No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
2	14 1/2	14	1.25
3	16	16	1.50
4	19	18	2.00
5	21	20	3.00
6	25	22	4.00
7	25 1/2	24	5.50

The American Woodenware Mfg. Co.
TOLEDO, OHIO

Sold by Schlegel & Fortler Co., Boston, Mass.



Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio.

Unlike the Automobile Industry the prices of Addressing Machines have been greatly decreasing in the past few years.

The Elliott Addressing Machine Company at 100 Purchase Street, Boston, Mass., have recently perfected a Fiber Address Plate which is sold at the extreme low cost of \$4.00 per thousand.

This price is approximately from \$6.00 to \$30.00 per thousand cheaper than anything that has before been offered in the way of a Card Index Address Plate.

This is specially adapted to publishers whose subscription list change so often that a high priced Address Plate is out of the question.

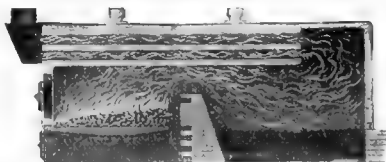
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If you use a mailing list of more than 1,000 names write to

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MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

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466 Erie St., CHICAGO, ILL.

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Plate and Window Glass

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Write to us about your
Material and Plans
for any size and style of

GREENHOUSE

for new structure or repairs.

Hot Bed Sash

in stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

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Western Ave. and 26th St.
CHICAGO, - - ILL.

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Second Hand

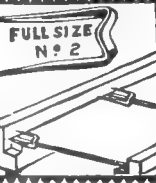
Suitable for all greenhouse pur-
poses, steam, water, gas or oil,
also for fences or posts. All
sizes. Prices low.

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Telephone, Fort Hill 2475.

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Firmly**
See the Point **PEERLESS**

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.
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32 feet or longer
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Write for Circular "D" and Prices.

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January 26 & 27.

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Saves time and insures better service.
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Twenty-five years' active service.
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of Others."

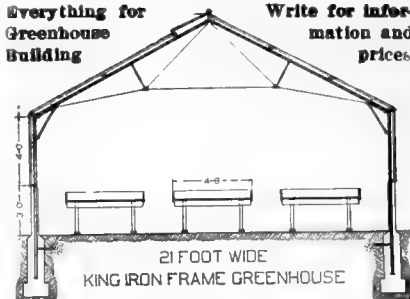
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Building

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Without posts.

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IRON AND CYPRESS BENCHES.
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John C. Esler, Sec'y, Saddle River, N. J.

TEMPERATURE ALARMS

Damage to greenhouse stock by too high or too low temperature can be absolutely prevented by the use of a good temperature alarm.

With such a device when the temperature rises or falls above or below a predetermined point a bell rings in any desired place about the premises.

Thermostatic Electric Alarm.

Our Thermostatic Electric Alarm has a field of regulation between 30° and 120° and can be set at any point between these two. Its accuracy is **guaranteed** and, as it is constructed of the best materials and has no complicated parts, it will last practically a life time.

Style A is cast in aluminum and is 8 inches high, 4 inches wide, 2 inches deep and is highly finished.

Differential Temperature Alarm.

This device will insure absolute prevention against too high or too low temperature. It has a range of regulation between 20° and 110° Fahrenheit and can be set to ring a bell anywhere about the premises when the temperature goes above or below a designated point. Its sensitiveness and accuracy we **guarantee**, as it is made of the best materials obtainable, and contains no complicated parts. The care in manufacturing, the design used, and the materials employed enable us to make a temperature alarm unequalled by any similar device.

Temperature Alarm Number 2.

For ringing an alarm only when the temperature goes too low, our Temperature Alarm No. 2 is best adapted. This device is connected with an electric bell and battery and will sound an alarm anywhere about the premises when the temperature falls below a previously determined point. It registers from 20° to 120° and the pointer can be set at any figure between these two. When so set it is **guaranteed** to give the alarm. The casing is made of sheet aluminum, size 4 inches diameter by 1½ inches high.

Differential
Temperature Alarm.

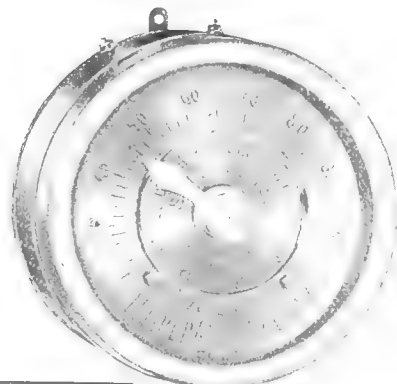


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Progressive, energetic and reliable
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National Clock & Electric M'f'g. Co.

Saint Louis, Mo.

Temperature
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They are built in sections 8 feet, 4 inches long, each one complete in itself, so that when the house is enlarged, it isn't necessary to pull half the house down. It way makes a simple, inexpensive way. Before you decide on your new house, it is up to you to find out all you can about how Hitchings & Co. build Hitchings houses. A personal talk, of course, is the best way; the next best is to look carefully through our printed matter which we will gladly send you for the asking.

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Here's An Interesting Greenhouse Combination

The tall building is sort of a club house with bowling alley on one floor and guests sleeping rooms above it.

The lower floor is devoted to work room purposes.

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The durability, adaptability and attractiveness of the L & B Sectional Iron Frame Construction makes it the best for such cases even as it is best for all other purposes whatsoever.

It is a construction with over fifty years of "know how" behind it.

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No Heavy Roof
Supports The
U-Bar is the Raf-
ter and Roof Bar
in one. No House
like it The light-
est and best.
Patented.

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U-Bar Greenhouses

1 Madison Avenue
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HORTICULTURE

Vol. XI.

JANUARY 29, 1910

No. 5



FRED BURKI

President-elect American Carnation Society.



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Damage to greenhouse stock by too high or too low temperature can be absolutely prevented by the use of a good temperature alarm.

With such a device when the temperature rises or falls above or below a predetermined point a bell rings in any desired place about the premises.

Thermostatic Electric Alarm.

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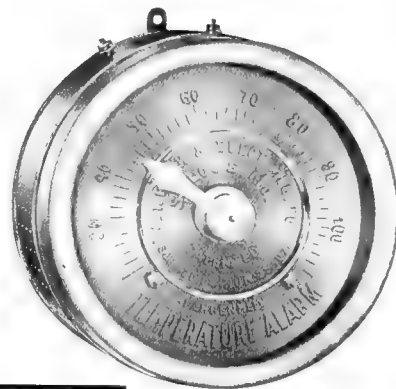


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We have a fine stock in 2 in. pots ready for immediate shipment at \$2.00 per 100 and up. Our New Descriptive Catalogue and Price List is being mailed. If interested write us. **Ivy Leaved Geraniums**, 6 varieties, \$2.00 per 100. **Scented Geraniums**, 10 varieties, \$2.00 per 100. **Variegated Geraniums**, 5 varieties, \$3.00 per 100.

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Dahlia Roots, Whole Field Clumps, \$5.00 per 100, \$40.00 per 1000. Mixed to color, \$35.00 per 1000.

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Flower of Fairfield

Flowers in June and continues constantly in bloom until frost. identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

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RICHMOND, KALMERIN, BRIDES and MAIDS. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

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America, extra size	\$4.00 per 100;	\$35.00 per 1000
"1000" healthy bulbs	1.00 "	8.00 "
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DAHLIAS Every Day in the Year



These illustrations show how we grow California Privet here at Harrison's Nurseries—and the way our Privet looks when planted as hedges along driveways, walks, etc.

We have the right soil and climate here for growing California Privet, and take unusually good care of our plants. We cultivate the blocks each week, and during the dormant period last year we cropped the smaller sizes—one- and two-year—back to the ground. These plants developed a wonderfully bushy growth in 1909 and are now in prime shape.

The upper view represents a block from which tens of thousands of plants will be dug this spring. This is the kind of Privet you'll be proud to furnish your customers—fine, vigorous, well-rooted and branched plants, every one. In fact, Harrison's California Privet is so strong and thrifty as to be almost a distinct and separate variety in itself.

California Privet Plants for Hedges By the Rod or by the Mile

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Plant Novelties From China.



JASMINUM PRIMULINUM.

The Jasmines are not, strictly speaking, hardy subjects but their floriferous character and usually large and brightly colored flowers make them popular plants for sheltered walls, cool greenhouses, etc. *J. nudiflorum*, a Chinese species, is perhaps the best known and its clear yellow flowers borne throughout the winter months are much appreciated wherever its culture is possible. An evergreen and glorified *J. nudiflorum* very well describes the new *J. primulinum*. This species is native of the plateaux of Yunnan, South China (from whence the writer introduced it), and although it will withstand a certain amount of frost it is not a hardy plant. It is, however, peculiarly adapted for greenhouse culture and will in time become a recognized winter-flowering pot plant for general decorative and market purposes. Cuttings of young shoots inserted in early spring in the ordinary way root readily and if grown on flower freely the following winter. Small plants in 3-inch pots flower as freely in proportion as larger plants, but the larger the plant the more flowers and greater the effect. After rooting the plants should be grown on and plunged outside in a sunny position. On approach of frost remove indoors and keep on "dry side" fully exposed to sun. One-potting should be avoided but abundance of water and liquid manure are essential. After flowering cut hard back and remove weak growths entirely. As new growth appears the plants should be potted on and this continued year after year until the bushes reach the limit of size consistent with the purpose for which they are grown.

Jasminum primulinum is bushy in habit, grows 4 to 6 ft. tall, with branches arching and decumbent. The flowers are produced from the axils of every leaf, are clear yellow in color, in size approximately as large as a dollar piece and usually semi-double after the manner of the old-fashioned hose-in-hose Primroses. The longer the shoots the greater the number of flowers produced. Its easy culture and attractive flowers subtended by deep green leaves makes it unrivalled as an ornamental, yellow, winter flowering shrub.

Buddleia is another subtropical genus with members creeping over into the temperate zones. China has recently given us two species and numerous varieties of surpassing merit which have speedily come to the front as ornamental shrubs. Indeed none of the writer's introductions have secured such a host of devotees in so short a time as these *Buddleias*. Their easy culture, extreme floriferousness and beauty are responsible for their rapid popularity. As a winter-flowering shrub and companion to *J. primulinum* *Buddleia asiatica* is to be strongly recommended. This plant is erect in habit, growing 4 to 6 ft. tall, every shoot, both primary and lateral, terminating in a slender, cylindrical, tail-like raceme, 9 to 18 inches long, of pure white delightfully fragrant flowers. The cultural hints given for *Jasminum primulinum* also apply to this *Buddleia* except that propagation is effected from half-ripe wood. In Shanghai and other places in the far East, this plant is one of the most esteemed of all winter-flowering shrubs. In the "seventies" of last century this

plant appears to have been in cultivation in England but was lost subsequently until re-introduced by the writer.

Buddleia variabilis and its numerous varieties are mid-season shrubs flowering in August and September. The original *B. variabilis* was introduced from China by way of France but was an indifferent thing, straggling and sprawling in habit with poor colored and small spikes of flowers. But as the specific name indicates the plant is variable and the writer has been fortunate in securing some excellent forms.

B. variabilis var. *Veitchiana* and *B. variabilis* var. *magnifica* are both erect-growing shrubs with primary and lateral branches terminating in arching, cylindrical "tails" 1 to 3 ft. long, of fragrant flowers. In "*Veitchiana*" the flowers are bright mauve with orange-yellow throat. In "*magnifica*" the flowers are deep rose-purple with the edge of petals somewhat reflexed. *B. variabilis* var. *Wilsoni* has a more loose habit, laxly arching branches, and pendulous tails of flowers in colors resembling *Veitchiana*. The individual flowers are large and the inflorescence is often over 40 inches long! It is difficult to decide which is best but opinions incline toward "*magnifica*" on account of its deeper and richer color. All three should be grown as they furnish a succession of flowers. "*Veitchiana*" is first to flower in end of July and early August; "*magnifica*" follows a fortnight later and "*Wilsoni*" some ten days after this.

B. variabilis and its varieties are native of the dry river valleys of central and western China usually growing side of streams and not infrequently in the shingly beds and islets of summer torrents. Abundance of water in the growing season is of more importance than a rich soil. Under cultivation they thrive in any ordinary garden soil and are just as happy in the back-garden of some city workman as in the palatial grounds of the country magnate. To secure the best results the one thing necessary above all others is hard pruning in early spring. This and abundant water is all they need. Cuttings of half-ripe wood inserted in late September root readily.

In the Arnold Arboretum these plants survive the winter though often killed to the ground. They are partial evergreen in character and for general purposes in New England and the States west where the climate is more severe they should be lifted in early winter and stored in cellars or under greenhouse benches. These *Buddleias* are admirably adapted for summer and early autumn bedding anywhere in this country. For summer resorts where a display of flowers in August and September is the one thing requisite they are ideal subjects. In large pots or tubs they would make the most decorative of plants for piazzas, etc. Anyone can grow them with ease.

These *Buddleias* and *Jasmine* were unanimously awarded first-class certificates when exhibited before the Royal Horticultural Society of London. They every year become increasingly popular on the other side and a great future awaits them here where the increased sunshine will afford even grander results. Whoever takes up this culture for the purposes indicated above will have cause to pleasantly remember HORTICULTURE.

S. W. Wilson.

Xanthoceras sorbifolia.



XANTHOCERAS SORBIFOLIA.

Many good flowering shrubs have come to us from Northern China and some, such as *Forsythia suspensa* and *Magnolia stellata*, are among the most popular of our garden occupants today but the subject of this note, which also comes from the same region, does not appear to have been so largely planted as its merits entitle it to be. In this country it is quite hardy as far as the northern boundary of Massachusetts and forms a somewhat upright branching shrub with pinnate leaves and terminal and axillary racemes of white flowers which have a crimson blotch at the base of each petal. The accompanying illustration gives a good idea of its floriferous qualities in a young state, and if planted in a good loamy soil in a sunny position it never fails to produce in ray large quantities of its handsome racemes. In the gardens of the Summer Palace at Pekin large specimens forty feet high with trunks one foot in diameter are to be seen and although we cannot expect it will attain such large dimensions in this country yet it makes a very ornamental large shrub and is apparently free from any injurious diseases. *Xanthoceras* is a member of the natural order Sapindaceæ to which such well-known plants as the chestnuts and maples belong.

Arthur. E. Thatcher

COMPLETE REPORT OF
CARNATION CONVENTION AND
BANQUET --- NEXT WEEK.

HORTICULTURE

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A happy thought The good seed sown in the organizing of a ladies' society in affiliation with the S. A. F. has begun to bear fruit in a very practical and gratifying way, as shown by the action taken by the St. Louis ladies as told in our news columns last week. We predict for this St. Louis local organization a great success from the very start and look to see the example thus set followed in other places.

Horticulture's qualities "Please send HORTICULTURE to my home address so that I may have a better chance to read it." The above note just received from a well-known, always-busy florist, is identical in sentiment with many

written and verbal testimonials which come to us from various sources all indicating that HORTICULTURE is in the enjoyment of that highest and most valuable asset—a clientage who support the paper for its *reading* value. In these days when our contemporaries are imputing "padded circulation" and various other misdeeds to one another it is gratifying to realize that HORTICULTURE's policy of endeavoring to provide that quality of reading matter which will be carefully read—not merely glanced over and then cast aside—has the approval and appreciation of the trade. Its circle of readers is constantly widening and its influence unquestionably extending in a most substantial way.

The carnationists

As we go to press the carnation enthusiasts in session at Pittsburgh, having completed the serious work of the convention, are enjoying themselves around the festive board as the guests of the generous-hearted representatives of Pittsburgh horticulture. We have given our readers, in this issue, all the news of the convention which has come to us thus far and whatever is missing will appear in full next week. When all the returns are in we have no doubt that the prediction made by Mr. Fred. Dorner, ten years ago, still holds good. Mr. Dorner said, "Many will not admit it but it remains nevertheless a potent fact that the interest manifested in new varieties centers in the American Carnation Society, and is its moving spirit; remove it and the society will crumble and decay." The interest in novelties is still as keen as when the esteemed ex-president of the Carnation Society expressed the above quoted sentiments and, apart from the ever-potent factor of sociability and fraternity, it furnishes the main incentive for the annual gatherings of the carnation hosts. We think the time will come, however, and in the very near future—when the society devoted to the interests of the "divine flower" will see the necessity and wisdom of exploiting their pet specialty from another standpoint—one which will widen its influence with the public, increase its use for many purposes and place carnation culture on a higher pedestal than it has even yet attained.

The post office "deficit"

Much has been said and much written, of late, concerning the alleged post office deficit and the responsibility of the magazines and trade papers for a large proportion of it, by persons either prejudiced for selfish reasons at the start or seemingly very ignorant of their subject. Exaggerated estimates of the loss sustained by the Department in the carrying of second-class mail matter have been diligently circulated and the bias is well-shown in the fact that the influence of the class magazines and weeklies in creating new business in the first-class postage department is studiously ignored. Take the industry followed by the readers of HORTICULTURE, for instance—almost infinitesimal as compared with the great interests of agriculture, science, mechanics, finance, medicine, religion—and think for a moment of the amount of letter writing induced by the advertising alone, which is carried from week to week, all of which pays first-class rates and which could never have materialized except for the reasonable charges made in the past for circulating these mediums of interchange, agencies which have no equal in the diffusion of useful, practical and business-building knowledge. The project of placing a heavy burden of additional postage on those who publish and those who read these publications will, we believe prove as unpopular as it is unprogressive, as soon as all the facts concerning the business methods of the post office department become public.

AMERICAN CARNATION SOCIETY.

A Rousing Convention and Magnificent Exhibition—Boston Selected for Next Meeting. March, 1911, in Connection with National Flower Show, is Probable Date.

Officers Elected

PRESIDENT—FRED. BURKI, PITTSBURGH, PA.

VICE-PRESIDENT—E. ALLAN PEIRCE, WALTHAM, MASS.

SECRETARY—A. F. J. BAUR, INDIANAPOLIS, IND.

TREASURER—F. E. DORNER, LAFAYETTE, IND.

The nineteen annual meeting of the American Carnation Society was a great success from point of view of attendance as well as the extent and quality of the exhibits. Both are the best in the history of the society. The local club which was thoroughly well organized, contributed much to make this convention such a winner. The consensus of opinion is that for quality and quantity of bloom nothing has ever approached it in this country or, for that matter, in the world. The visitors were met with real Pittsburgh weather, dark and murky, but luckily very mild, so that all exhibits arrived in good condition, none being frozen, and all on time. The judges—John Birnie, M. A. Patten, Eugene Daille-douze and E. A. Stroud—completed their work in record time. The sensation of the convention is the deep scarlet carnation Hoosier Lad exhibited by F. Dorner & Sons Co. An unfortunate circumstance has been the sudden illness of Mr. J. Reimels of Woodhaven, L. I., who, we regret to state, had to be taken to the hospital. A great many of the wives of the members attended the convention. On Wednesday night the ladies were entertained at the theatre by the local club, and the male portion were given a smoker. Total attendance about two hundred. New York was very strong with twenty-nine members.

OPENING SESSION.

The opening session of the convention took place on Wednesday evening. President Fred. Burki of the Pittsburgh Florists' and Gardeners' Club, in a few chosen words introduced Prof. John A. Brashear. Brashear is an astrologist and stated he was glad to be among friends and expressed thanks for the opportunity of addressing the society. The Professor introduced practical and poetical philosophy into his address and spoke of the color in flowers, also referred to an interesting conversation with Mr. John Thorpe on this subject. Many people, he said, are color blind and to some people all things appear gray. Mr. Brashear drew comparisons of the colors of flowers and the stars, and the effect of light upon them. In closing he extended to the society a very hearty welcome.

Robert Craig replied in his usual

eloquent vein, and stated that the Professor's words were an inspiration and gave a brief insight into things sublime by comparing the heavenly bodies to the flowers and carnations exhibited here. He said that the gentleman had done the society a great honor by coming down from the heavens and addressing them, also that Pittsburgh had made a grand record for its great industries, floral activities and philanthropy. He alluded to the famous Phipps conservatory and the great showing they made at all times. In conclusion he presented to Prof. Brashear an immense bouquet of carnations to be given to his wife, whom he stated had been an invalid for many years, but had never been without flowers presented to her by her friends, and these flowers had come from all over the United States and Canada. Mr. Craig emphasized the fact that it had not been the first time that he had enjoyed the hospitality of the Smoky City.

President A. M. Herr then read his address.

PRESIDENT'S ADDRESS.

Ladies, Gentlemen, and Members of the American Carnation Society: Your President extends greeting and a welcome to our sessions, we hope to have them interesting enough to have you at each one of them.

This society was organized in Philadelphia, and the first regular meeting held in New York, but it always seemed to me that it took the second annual meeting in this city to get us thoroughly acquainted with each other, and Pittsburgh will always be a bright spot in the memory of those of us who were fortunate enough to have attended that meeting. Those of us who are here today will no doubt long remember the 19th annual meeting and our Pittsburgh welcome.

Getting acquainted is one of the chief benefits to be derived from these gatherings. I know of several instances where men have attended our meetings for the first time and gone home having met but two or three members. In one instance on the train going home a new member told me that the only person who spoke to him during the whole convention was the secretary. In cases of this kind the in-

dividual himself is largely to blame, but we should, during the few days we are together, be a more universal brotherhood, and have at least a "howdy" for each and every visitor. I would suggest a permanent committee of introduction and information to whom strangers can apply for assistance in getting acquainted.

Can we make our meeting more interesting and profitable to ourselves and our flower than they now are? We have told and retold the story of production, the proper houses, etc.; there are of course new difficulties and advanced methods to discuss along these lines each year, but it seems to your president that we could and should devote at least one session to the improvement of our business methods; that they have improved no one can deny, but the improvement today over that of our meeting here seventeen years ago is very little more than what has been forced upon us by the general upward trend of all business. Other industries do not wait to have improvement forced upon them, they are continually searching for it, grasping and utilizing it.

We should know how much money each square foot of ground surface in our houses should bring us to meet our expenses, labor, heating, operation, wear and tear on the place.

We should have a small but conspicuous tag attached to each bunch of flowers we send into the market and let this tag follow them into the retail shop, so that in the course of time buyers would learn to ask for it and demand it as a guarantee of quality. This tag could be marked with the letters A. C. S. or some other special mark and the whole be copyrighted and for use only by paid up members of this society, and all infringements prosecuted. In addition to the special mark could be added the grower's name and the date the flowers were cut, this to be left to the discretion of each user. Poorly grown flowers and over-aged flowers by this method would soon be left in the race. To succeed and properly advance our business our flowers should give pleasure and satisfaction to the user and this suggestion is offered as a means to that end.

Can we improve our methods of sell-

ing carnations? Mr. Fox gave a talk in Philadelphia from the retailer's point of view on prices for special days of demand. We all know of instances when the retail market price of carnations was from \$1.00 to \$1.50 per dozen and the wholesale price was \$1.00 to \$1.25 per hundred, less the 15 per cent. commission to the middleman. This proportion between the grower and retailer is not a good business proportion, and if it were not for the advanced prices of special days the grower would be in a bad way. Adjustments will have to come some day, and it should come through this society.

Is there overproduction of carnation blooms? I was told by a Pittsburgh man that if roses had been plenty for Christmas, carnations would have gone begging. All hail to the rose! But carnations have their devotees as well, and if given to them in proper shape and form I believe the day of overproduction is far in the future, providing the retailer, the grower and the middleman can get together and work towards a mutual end. Let us put on our thinking caps and see what we can do towards this. At our meeting in this city before, we had a paper by Thomas Cartledge who stood at the head of the Philadelphia retail trade. He reviewed the various carnations then grown by name giving his retail experience with each as per this example, "Grace Wilder has been our leading pink, only because we could get it in quantity. Aurora has sold equally as well when we could get it, although it sometimes shows a slaty, ashy purple tint when a little old." We want to grow "best sellers"—a review of this sort each season would help us find them out.

Our exhibitions will admit of some improvement as exhibitions to the public, but as an educator to the grower, the lines on which we are working are as nearly right as we can hope to get them; as a guide to the buying of new sorts, each individual will have to work that out for himself with the new flowers for comparison with older sorts in front of him.

There is one point I would like to see worked out, and that is, to have a report, from those who buy novelties the first year, sent to the secretary on Dec. 1st of the following winter, giving their honest opinion of the variety from the buyer's point of view. Let the secretary publish these reports in pamphlet form and send them to applying members only. The buying of novelties is an experiment from a profit point of view, no matter how much we may try to eliminate it, but a pamphlet of this sort would be a great help to buyers of new sorts in their second year. If necessary this pamphlet could also be copyrighted. You will note that I am trying to make membership in this society a necessity to all live carnation growers.

We need also a permanent committee of finance to devise ways and means for the procuring of the funds necessary to the welfare of this society.

In closing I want to compliment this society upon its choice of a secretary, a better one would be hard to find, his work has been especially arduous for this first year, but it certainly has been faithfully performed. Our secretary should have at least



"Yes, sir; just back from Pittsburgh. Why don't you get out with the boys to these conventions? Do you lots of good, old man; just what you need."

\$250.00 per year and the work would be cheaply done at that.

Let us all work toward getting this society to the position it should hold and the prosperity of our society will bring prosperity to all its members.

SECRETARY'S REPORT.

Secretary A. F. J. Baur then presented his annual report, showing that up to April 1st, the society had 394 members; added 55 in 1909, and had four deaths. He stated that Section "C" which provides for the exhibits of previous season's novelties should be a permanent one. He thanked the local men for the great interest they had shown.

Treasurer F. E. Dorner then made his financial report as follows:

TREASURER'S REPORT.

Expenditures.

Paid by orders on treasurer...	\$826.48
Balance cash on hand, Jan. 24, 1910	283.68
	\$1,110.16

Receipts.

Balance cash on hand, Jan. 25, 1909	\$227.58
Cash from secretary.....	759.30
Cash interest from Permanent Fund	123.28
	\$1,110.16

Permanent Fund.

Reported Jan. 25th, 1909.....	\$2,375.31
One Life Membership.....	50.00
	\$2,425.31

All the reports were well received.

Letters were read from the Milwaukee Florists' Club, Mayor, and Citizens' Business League of Milwaukee, inviting the society for next year. F. R. Pierson remarked that as the Society of American Florists would hold their exhibition next year in Boston, he would suggest that the carnationists hold their annual convention in Boston at that time, as the Rose

Society would also take part, and he thought it would be an excellent idea for all branches of the trade to concentrate their efforts and that this was the psychological moment for the greatest success for an exhibition of this kind.

W. W. Coles and W. N. Rudd, also spoke of the benefits that would accrue to the whole trade from such a course. It was also stated that over \$500 in prizes would be offered for carnations at this Boston exhibition, and the premiums offered by the carnation society, would swell the total to a very large amount. Mr. Rudd urged the society to go to Boston. J. A. Valentine said that we are apt to confine our work, and that this was a great opportunity as he had had the privilege of seeing the schedule, that many plants he did not know would be staged, and from an educational point of view all would derive great benefits. He observed that most of the shows are in the fall, and that a spring exhibition would give greater opportunities for a wider knowledge of the trade. Robert Craig also spoke along these lines and was in hearty accord. Nic Zwiefel spoke against this proposition and for Milwaukee. W. W. Coles stated that it was contrary to the constitution to hold the carnation convention later than January.

NOMINATION OF OFFICERS.

Officers were nominated as follows: President, F. Burki; vice-president, Nic Zweifel, Milwaukee; S. J. Goddard, Framingham, Mass.; secretary, A. F. J. Baur; treasurer, F. E. Dorner.

On motion the number of judges was increased to six, and the following were nominated: W. W. Coles, W. J. Vesey, J. H. Hill, E. A. Stroud, F. H. Traendly, Eugene Dailedouze, W. N. Rudd.

W. T. Bell's paper on "The Carnation: Its Uses, Varieties and Culture," was listened to with much interest.

THURSDAY MORNING SESSION.

Thursday's forenoon session was devoted to committee reports, discus-

sions, papers and the selection of place of meeting for 1911. The nomenclature committee reported that there had been twenty-one seedlings and two sports registered during the year. Registration of Washington, a dark pink sport from Enchantress, was confirmed and a preliminary certificate was awarded to Princess Charming, a flesh pink seedling, shown by H. Eichholz.

Jos. H. Hill then read his paper, "The Calendar of the Carnation," which drew out an interesting discussion. A paper on "Carnations Under Glass," by Fred Burki, and one by C. L. Washburn, favoring a joint meeting with the American Rose Society, were next presented. Eugene Dailledouze took the other side of the latter question and did not approve of changing the date for the carnation meeting.

BOSTON NEXT MEETING PLACE.

On vote for place of next meeting, Boston was selected and the argument in favor of a joint convention with the American Rose Society and other bodies in connection with the National Flower Show at Boston in March, 1911, was approved amid much applause.

THURSDAY AFTERNOON'S SESSION.

W. H. Breitenstein read a paper, "A Carnation, the People's Flower." Nomination of officers was opened up again and E. Allan Peirce of Waltham, Mass., was nominated for vice-president. Election of officers followed and Mr. Peirce, together with the list unanimously nominated at the previous session for the various offices, was duly elected.

THE EXHIBITION.

The report of the judges on the exhibition was then read, as follows:

Section A—100 blooms white, first Cottage Gardens Co., with Alma Ward; second, Stratford Flower Farms with White Perfection; 100 flesh pink, F. Dorner & Sons Co., with seedling 4206 and the same firm second with Pink Delight. 100 light pink, Cottage Gardens Co., with Mrs. C. W. Ward. Jos. Heacock second with Dorothy Gordon. 100 dark pink, N. Zweifel with Bright Spot, E. G. Hill Co., second, with Afterglow. 100 red, Cottage Gardens Co. with Beacon, Dorner second with Scarlet Glow. 100 crimson, Wanoka Greenhouses, Sultana, W. W. Coles second with Mrs. W. W. Coles. 100 yellow, E. G. Hill Co., J. Whitcomb Riley. 100 any other color, Weber & Sons, Torador. Chicago Carnation Co. second with Conquest.

Section B—White Enchantress, A. T. Lorch first, A. C. Brown second. White Perfection, Chicago Carnation Co., Wagner Floral Co. Any other white, A. T. Lorch with White Lawson, W. N. Rudd second with Mrs. J. C. Vaughan. Enchantress, Finleyville Floral Co., Wagner Floral Co. Any other flesh pink, Dorner with Pink Delight. Rose Pink Enchantress, Dorner. Winsor, Lorch. Winona, Finleyville Floral Co. E. G. Hill Co. Lawson, Lorch. Afterglow, Hill. A. C. Brown. Any other dark pink, Chicago Car. Co., Aristocrat. Victory, F. R. Pierson Co. Any other scarlet, Chicago Co. A. Carnegie second. Any other crimson, J. D. Cockcroft, Harvard.

Section C—Dorner prizes for Pink Delight to Chicago Carnation Co. and

E. G. Hill Co. Chas. Knopf prize for Mrs. Chas. Knopf to Chicago Carnation Co. Grave prizes for Mayday to E. G. Hill Co. and W. Frank & Sons. Bassett & Washburn prize for O. P. Bassett to Chicago Carnation Co., Wanoka Greenhouse prize for Wanoka to W. A. Rowlands. Wanoka prize for Apple Blossom, ditto. Cockcroft prize for Georgia to Walter Thomas. A. C. Brown prize for Gov. Dineen to Chicago Carnation Co. Eichholz prize for Alvina, ditto.

Section D—The American Carnation Society Medals were awarded as follows: Gold to F. Dorner & Sons Co. for Hoosier Lad, a grand deep scarlet, 3½ inches across; Silver to R. Witterstaetter for President Valentine, a grand salmon pink; Bronze to E. Dailledouze for White House, a superb white.

Section E—The S. A. F. special medals were awarded, silver and bronze respectively, to Cottage Gardens Co. for Mrs. C. W. Ward and Alma Ward.

Section F—Certificates were given to R. Witterstaetter for President Valentine and pink seedling 1407-0; W. W. Coles for Mrs. W. W. Coles; Wanoka Greenhouses for Sultana and Rainbow.

Among the miscellaneous exhibits reported were a grand collection of ten vases of one hundred blooms each from the Pittsburgh Cut Flower Co.; awarded first class certificate. Collection of promising seedlings from Finleyville Floral Co.; Lamborn Floral Co.; honorable mention for collection; F. R. Pierson Co., seedling No. 40, fine deep pink; J. A. Peterson, honorable mention for Begonia Glory of Cincinnati. Cottage Gardens won the sweepstake prize for best vase of 100 blooms with Alma Ward. Baur & Smith got honorable mention for Shasta and May.

NEW YORK TO PITTSBURGH.

Quite a large party left New York on Tuesday evening for the Pittsburgh convention of the American Carnation Society. A special Pullman car engaged by the New York Florists' Club was completely filled. Those having berths in the car were: John Reimels, Woodhaven; J. D. Cockcroft, Northport; F. R. Pierson and nephew, and J. R. Fotheringham, Tarrytown; J. Birnie, West Hoboken; R. T. Brown and M. Matheson, Queens; Peter Beurlein and Chas. Beckman, Elmhurst; J. Warburton, Fall River, Mass.; B. Hammond, Fishkill; M. Bates, Tonawanda; W. Eccles, Oyster Bay; R. G. Wilson, E. Dailledouze and Mrs. Dailledouze and Mrs. Weir, Brooklyn; E. H. Enggren and Mrs. Enggren, Aqueduct; E. J. Taylor and Mrs. Taylor, Greens Farms, Conn.; J. H. Pepper, F. H. Traendly, H. H. Hulse and H. A. Bunnard, New York.

AMERICAN CARNATION SOCIETY. Registrations by Geo. E. Buxton, Nashua, N. H.

Bon Ami—Queen X Lady Bountiful. Pure white; size 3 to 3 1-2 inches. Strong open growth. Stem very stiff, 24 to 30 inches long. Early and continuous bloomer. Seldom splits.

Granite State—Queen X Lady Bountiful. Pure white; size 3 to 3 1-2 inches. Strong upright growth with no surplus grass. Stem 30 to 36 inches. Seldom bursts. Free bloomer.

A. F. J. BAUR, Secretary.

PHILADELPHIA NOTES.

The Joseph Heacock Co. have awarded the contract for their new 55 x 600 ft. house at Roeloff's last Saturday to the Lord and Burnham Co.

Louis Courlas succeeds V. Alexis in the Central Flower shop at 12th and Chestnut streets. The other member of the firm is T. Chochos.

Among the Philadelphia delegates to the carnation convention were: Robert Craig, Chas. E. Meehan, William Swayne, Edward A. Stroud and William Kleinheinz.

Herman Steinmetz has returned to his old location at 61 North Eighth street the 20th and Walnut street venture having been discontinued through partnership complications.

Do not forget club meeting comes Feb. 1st and that the redoubtable Adolph Fahrenwald is the speaker of the evening on the American Rose Society—Its Aims and Objects.

Jno. Welsh Young is a busy man these days with his place at Upsal and the new range at Roslyn. It is a wonder how he finds time to attend to affairs of state so admirably as he does.

Ladies' night at the Florists' Club has been scheduled for Friday, February 4th, 8 p. m. A fine program has been arranged by the committee and an enjoyable evening is assured.

The cyclamen houses of Craig's are a blaze of glory at present, and such a display of bloom in perfect form are worth going a long way to see. Try a dozen or two in your store and see how quick they'll sell.

The business of the late William K. Harris at 55th and Springfield avenue will be carried on as usual without any change in the title, and, as before, under the management of his son, W. K. Harris, and his son-in-law, Mark Mills.

The finest mignonette coming to Philadelphia is being handled by the Leo Niessen Co. We understand it is grown by Ernest Hoehl. It is not extraordinary as to size, although large; but very sweet, well colored, grown cool and keeps its foliage well.

William Crawford's new store (branch of R. Crawford, Jr., 11th and Locust streets), is now fully completed and in fine running order. A splendid roomy store finely appointed at 5210 Market street; a well built conservatory in the rear with plenty of light is a feature.

Jacob Becker at his new place, 49th and Chestnut streets, has now as much available growing space as at his old and new places combined—besides having more compactness—therefore, more easily and economically worked. He still makes a specialty of potted roses and other plants for Easter and spring sales.

The event of the week in retail circles was the opening of the Century Flower shop, No. 2, in West Philadelphia. The location is on 52nd street just above Walnut. The show windows are extensive and finely arranged and the interior decorations in excellent taste—white with gold decorations.

Visitors this week: J. S. Stinson and wife, of the Hollywood Greenhouses, Seattle, Wash.

NEWS OF THE CLUBS AND SOCIETIES

SOUTHAMPTON HORTICULTURAL SOCIETY.

At the annual meeting held Jan. 6, the following officers were elected: President, Wm. F. Halsey; vice-president, U. G. Agar; secretary, Benj. C. Palmer; treasurer, Julius W. King; financial secretary, Frank H. Smith; executive committee, Henry F. Herrick, Chas. E. Frankenbach, Walter L. Jagger, Martin McLaughlin.

After the general business of the meeting W. G. Gomersall of Nyack, N. Y., well known among the gardening fraternity, made an interesting short address on general topics. As a final the members partook of an oyster supper.

In December, 1906, nine gardeners met and proposed the organization of a society. Among our people some were pessimistic and predicted failure, as is always the case when a new thing requiring pluck, energy and self-sacrifice presents itself. The result of that little meeting is a well organized society of twenty life and about one hundred and twenty active members. Our expenses, which have been large, have been paid at once when they became due, and our treasurer reports a balance on hand Jan. 20, 1910, of \$688.18. Three interesting exhibitions have been held, increasing in size, beauty, attraction and interest each year, the "horticultural exhibit" being now one of the leading important features of this beautiful summer resort. Although our interested members are not all gardeners, the real working force are gardeners, and there exists among them perfect harmony and unity of action. We all pull together in general aim and end; that is why we exist and why we grow, for we are still growing.

A committee is now at work preparing for an exhibit some time this summer, which we hope will exceed in all points the exhibits of the past. The officers and committees all consist of studious, practical men, who are out to make in every point and particular the Southampton Horticultural Society a booming success.

BENJ. C. PALMER, Sec'y.

NEWPORT HORTICULTURAL SOCIETY.

At a regular meeting of this society held on the evening of January 25th, a new plan for the entertainment and benefit of the society was favorably acted on. This plan as arranged to be tried at the next regular meeting, Feb. 8, is to have five members prepare a paper each on horticultural exhibitions and each one to treat on a separate part of the exhibition. The heading of these five parts and the members to handle them as arranged is as follows: Utility and Mission of a Horticultural Exhibition, by James Robertson; Preparing Exhibits, by John P. Hammond; Staging and Arranging, Bruce Butters; Judging, Richard Gardner; How to Secure Attendance, by John Forbes. A call meeting will be made for that event and as the papers will no doubt be unusually interesting, a lively meeting is fully expected.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The lecture at Horticultural Hall, Boston, on Saturday, January 22, was by Albert D. Taylor, his subject being "A Study of Continental Landscape Gardening." A large audience enjoyed it and pronounced it one of the most interesting presentations of this interesting topic they had ever listened to. Numerous stereopticon views from original photographs taken by Mr. Taylor were shown, many of them being of rare beauty. The lecturer traced the motive, and development of formal gardening in Europe down from the early days of the Christian era and through the mediaeval period to the present time showing why Italian gardens in Italy are harmonious and appropriate and suggesting why they fit so badly into any other setting than the landscape and surroundings in which they had their birth.

A handsome group of orchids, specimen plants of uncommon size and vigor was shown from the greenhouses of J. R. Leeson, Newton. Calanthes, cymbidium, angraecum and cypripediums were included.

NORTH SHORE HORTICULTURAL SOCIETY.

At the regular meeting of the North Shore Horticultural Society, held in Lee's Hall, Manchester, Mass., Jan. 21, Mr. Charles H. Totty gave a talk on Chrysanthemums in his usual entertaining way, covering the subject as only a specialist can. Every phase of American chrysanthemum culture was thoroughly discussed, there being a rousing attendance. This society is now incorporated under the laws of Massachusetts and has a good balance in the treasury. It will hold its usual two flower shows this summer, offering many valuable prizes in the shape of cups and medals to be competed for.

The annual banquet will be held on February 3, when a first-class menu, entertainment and dance will be given those fortunate enough to secure tickets. This affair is looked forward to as one of the best social gatherings of the year, locally; and the demand for tickets is always over the limit available, seating room being rather less than 200.

ALFRED E. PARSONS.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Change in Registration.

S. Cockburn & Sons of Woodlawn, N. Y., make application to have the name of their chrysanthemum, previously registered as Dr. Frederick A. Cook, changed to Mrs. Jane Cochran. Public notice is hereby given of the application and unless objections to the change are received within 30 days from publication of this notice the change will be made.

H. B. DORNER, Secretary.

January 20, 1910.

NEW ORLEANS HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held on the 20th with a good attendance of members. The annual financial report was read and showed a healthy balance in the society's favor. An animated discussion on "bulbs," particularly Roman hyacinths and their eccentricities here, was engaged in by most of those present, startling results being noted by some speakers. J. A. Newsham had two splendid specimen *Cattleya Trianae* on the table and the Metairie Ridge Nursery had a magnificent vase of miscellaneous roses, Ivory and W. R. Smith showing exceptionally well. The cucumber growers and the market men agreed to have samples of their wares on exhibition at next meeting.

NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

The second annual banquet of this popular organization will be held on Wednesday evening, February 2, 1910, at 7 p. m., at the Hotel Astor, New York City. A good dinner, good music, good speakers and a good time generally are promised those who attend. From past experience we know the promise will be made good. F. L. Atkins, H. C. Steinhoff, Herman Schoelzel and A. L. Miller are the dinner committee. "Nuf sed."

CLUB AND SOCIETY NOTES.

The Bar Harbor (Me.) Horticultural Society listened with much enjoyment last Thursday evening to an address by Mr. E. H. Wilson, on "Plant Collecting in the Heart of China." The lecture was illustrated by a series of stereopticon slides. The hall was crowded to the doors.

The annual meeting of the New London (Conn.) Horticultural Society was held last week at the Buckingham Memorial, Norwich, when the reports of the officers were read and approved, the treasurer's report showing a balance of \$178.31 in the treasury. There are 125 members. Directors for the year were chosen as follows: Thomas W. Head, Rev. Neilson Poe Carey, Otto Ernst, Alfred Flowers, R. R. Wilcox, H. F. Parker, F. H. Allen, S. A. Gilbert, Gustav Newman and Michael Shea. The officers were re-elected as follows: President, S. Alpheus Gilbert; vice-presidents, Otto Ernst, Thomas W. Head; secretary and treasurer, F. H. Allen.

At the annual meeting of the New Bedford (Mass.) Horticultural Society on January 11, Frank C. Barrows was elected president and John P. Rooney, vice-president. The election of secretary was postponed until a later date. The present incumbent, Joseph C. Forbes, who has served as secretary for the past seven years and has been one of the greatest factors in the society's work, wishes to resign. The society endorsed the work accomplished by the City Mission garden and improvement contest last year, and will aid in furthering a similar movement this year if it can be carried out throughout the city.

A Retail Florists' Cyclopaedia—Free

An elegant book of 72 pages and cover—illustrating and describing every requisite required by the up-to-date florist—with all the latest novelties in ribbons and supplies gathered from all parts of the world:—

The New Rice Catalogue

Mailed free to every one in the trade enclosing their business card, and mentioning this paper. The edition is limited and very expensive therefore application should be made at once. We are not only dealers and importers but

Originators and Manufacturers

Our catalogue tells you the whole truth and nothing but the truth, and is an indispensable adjunct of every flower store.

M. RICE & CO. LEADING FLORISTS' SUPPLY HOUSE Of America **Phila.**
1220 RACE STREET

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Potting Carnations.

Carnations, whether old or new varieties, should be left in long enough to have a good bunch of roots formed before they are potted. When the rootlets are one-half to three-fourths of an inch in length they should be potted without delay as the sand contains no nutritive properties to speak of. The growth that they will make after sufficient roots have been made is of a weak nature and low in vitality. Soil suitable for potting should be fresh, that has been exposed to the weather. If very heavy lighten it up with a little sand and some old rotten manure. Screen it through a half-inch mesh, and the soil should be made moist if too dry. It should be so that it will press together well when potting, but should not be too wet. As deep potting tends to rot the stem, put the root crown only about a half-inch below the surface of the soil, just deep enough to hold the plant upright. Press the soil firmly and see that the pots are not too full, but leave a little loose soil on the top to prevent baking. If the soil is in the proper state, watering so as to fill the pots once should be enough. An hour or two after watering knock one of the pots out and see whether it has been wet to the bottom. If not, then immediately water again. After that give water only when needed to keep the soil fairly moist, not wet. Select a bench where the plants will have plenty of ventilation and a full exposure to the sun and place the pots on ashes or some other suitable material to maintain good drainage. Shade them from

the sun for a few days, and after the third day shade a little later in the morning and remove a little earlier in the afternoon. By the end of a week they can have full sun all day. During bright weather the young stock should be carefully tended as regards watering, syringing and ventilation.

Grafting Roses.

It is after the stock has been placed in the grafting case that the principal work pertaining to success begins. Practically the case should be air tight and piped so that a minimum of 80 degrees can be maintained. The sand or ashes in the grafting case must be thoroughly saturated and see that the pots are medium moist. Sprinkle the plants with a very fine spray overhead, and close the case immediately afterwards. In ordinary cases they will require no more spraying for five or six days; neither will they need any ventilation. When the callus has formed—which will be in about five days—they will require a little ventilation; but this should be administered with great care. Have a strict lookout and don't put on too much air at once. By carefully studying the conditions and gradually increasing the amount of air from day to day, in about twenty-five or thirty days the sashes can be entirely removed. In about a month the roses can be removed to the bench. Here they will require extra care in watering, ventilation, syringing and especially in shading for a week in order to make success complete. When the bark begins to swell examine the tying material to see it does not cut into the scion; and remove any suckers that chance to make their appearance.

Shrubs for Easter.

Pot-grown shrubs will be much more satisfactory to force than nursery-grown stock that has been potted up. Plants named in this list such as Azalea mollis, Amygdalus flora rubra, Deutzia gracilis and D. Lemoinei, lilacs, Cydonia japonica, Spiraea Van Houttei, weigelas, magnolias and rhododendrons should be placed in a moderately warm house to start their growth. It is always best to force all these in the early rather than the late stages of growth. From fifty-five to sixty degrees at night now, with a cooler temperature when the flowers come out, should be given. But every grower will have to use his own judgment as to more or less heat, as the occasion seems to demand, as the weeks progress. Magnolias, spiraeas, and weigelas, as a rule, will take a little longer time than the other varieties to develop.

Hybrid Perpetual Roses.

These should have been started by the first week in January as the Easter date is very early this year. When Easter arrives later, and on the approach of the natural flowering time of hybrid perpetual roses, the less time it will take for them to show their bloom. With the most important floral date falling early this year, more time must be allowed in order to have them in perfection by Easter week. It is better not to prune, say for ten days or until the buds break; you can then tell better how and where to cut off the canes so as not to have a leggy and scant appearance. If the stems are left too long, they will not break evenly all over; and if pruned too low you are very apt to leave eyes that

are blind. There will not be as much trouble to hold things back this year as there will be to have them come in on the proper time. Roses forced are all benefited by being held for a week in a lower temperature, as it gives stability to the plant and bloom. Give them a temperature of 55 to 60 degrees from this date on, syringing the plants on all bright days so as to encourage healthy growth. Watch out for mildew and green-fly, and if needed apply the proper remedies.

Bulbs.

Where a quantity of bulbs are required, keep up the supply by placing in heat at least once a week a batch of the various kinds. From now on there will be no trouble about the lack of stem as we are getting more sunshine now. Narcissi, hyacinths and tulips grown in pans for store or retail trade should not be drawn up so much now, as they ought to be as stocky as possible.

The Renovation of Palms.

The present time, before the spring rush is on, is a good time to look over your palms; some of them will need sponging and much can be accomplished in a week. If the plants are badly infested with scale, use some fir tree oil in the water, avoid sponging the young and soft leaves with it and always be careful to syringe all the plants over with clear water. See that the pots are clean; it makes them look more valuable. Take time to carry out the necessary renovation of the various palms; it will pay for the time spent. It is a good time now to shift or pot any palms that require it. Those that do not need potting should have as much of the surface soil removed as possible, although care must be taken not to injure the roots. Avoid big shifts. Just allow space for a little fresh loam around the old ball. Pot the soil in firmly and leave a liberal space for water. A good compost for palms is one of well-rotted cow manure to five of good fibrous loam. With the lengthening days and stronger sun, growth will start into its full energy.

Foliage Plants.

Crotons, dracaenas, dieffenbachias, Ficus elastica, and other fine foliage plants will all root readily now if a good steady bottom heat is at command. There is never an over-supply of aspidistras. See that some are divided and potted up and place in a warm house till they get a start. No other foliage plant will stand the same amount of abuse without showing it.

JOHN J. M. FARRELL.

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THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

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2½-in., \$40.00 per 1000; 3½-in., from Beach.
\$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

An Aphine Test on Roses

Killarney
The Bride
Bridesmaid

"THE LINDENS" GREENHOUSES

A. H. & W. S. Schultz.

261-273 ROSEDALE AVENUE

Telephone 19-R.

Madison, N. J., Jan. 20, 1910.

APHINE MFG. CO., Madison, N. J.

Dear Sirs:—Having just made comparative tests between Aphine and fumigation for our own information and benefit, we think you will be interested in the results.

For green fly on our rose plants we used Aphine as directed, 1 to 40, applying with an auto spray; choosing sunny days, and using a fine spray. We carefully sprayed the plants early in the morning. In a few minutes the fly began to drop and later when we syringed with the hose we found the plants well rid of fly. In addition we found no discolored buds as in fumigating, but what attracted our attention, the foliage seemed to be improved and invigorated.

From a financial standpoint it costs us \$3 and \$4 to fumigate 2000 lineal feet of rose houses each time, whereas we would use only a half gallon of Aphine for the same purpose.

The results has shown us that Aphine is higher in efficiency and lower in cost than fumigation.

Yours very truly,

A. H. & W. S. SCHULTZ.

The manufacturers of Aphine guarantee a uniform product at all times, and, (if used strictly according to directions), that it will do all that is claimed for it AND MORE.

\$2.50 Per Gallon.

Aphine Manufacturing Co., Madison, N.J.

If your supply house does not yet handle APHINE, write us for names of our nearest selling agents..

SELECT FERNS For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type. Strong plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen, according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact. Strong plants, 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 to \$9.00 per dozen—according to size; 8-in., \$12.00 to \$18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson NEW YORK

FERNS FOR DISHES,

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Assorted Varieties

From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

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ROEHRS, Rutherford, N. J.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamar neck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

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ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. glauc Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL,

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Splendid SEED of

Phoenix Roebelini

Just arrived. Price on application to

SANDER, BRUGES, BELGIUM.

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Now in Bloom and Bud. Orders take Easter delivery in the best commercial varieties.

Bay and Box Trees, Euonymus, Eurya latifolia, Araucarias, Asparagus, Adiantums, Crotons, Areca lutescens, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus, Small Ferns for Dishes in the best sorts, as well as many other Decorative and Foliage Plants at Lowest Wholesale Prices.

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Areca Lutescens	Each
6 in. pot, 3 in. pot, 24 to 26 in. high	\$0.75
7 in. pot, 3 in. pot, 26 to 28 in. high	1.00
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Cocos Weddelliana	Per 100
2 1/2 in. pot 8 to 10 in. high	\$10.00
3 1/2 in. pot 10 to 12 in. high	15.00
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5 in. pot, 6 to 7 lvs, 18 in. tall, \$50.00	12
6 in. pot, 6 to 7 leaves, 22 to 24 in.	\$6.00
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Made-up Kentia Forsteriana	Each
7 in. pot, 4 in. pot, 34 to 36 in.	\$2.50
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Best Strain in Cultivation.

4 in. pots. \$25.00 per 100	6 in. pots. \$75.00 per 100
5 in. pots. 50.00 "	7 in. pots. 100.00 "

THOMAS ROLAND, NAHANT, MASS.

Rockford, Ill. The Florists and Gardeners' Association held its annual meeting and banquet at Loucks & Sheldon's cafe and elected J. J. Soper president, Max Sadewater vice-president and George Birks, secretary and treasurer. Park Commissioner Fred Carpenter gave the members an interesting talk on "Parks and Civic Improvement." The association will give C. H. Woolsey, the retiring president, a banquet Monday, March 14.

Finest Block of White Pine IN THE EAST...

ALL SIZES.

ORDER NOW FOR SPRING.

Eastern Nurseries,
Jamaica Plain, Mass.

H. S. DAWSON,
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SHASTA

We are now shipping fine strong cuttings of Shasta. Orders already booked will take all we can deliver up to February 15th, but we can still accept orders for late February delivery. Send yours in at once.

BAUR & SMITH Indianapolis, Ind.

SANGAMO

New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

\$100.00 per 1000

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Springfield, Ill.

CHICAGO CARNATION CO.
Joliet, Ill.

**A New Seedling
Carnation :: ::**

Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910, \$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co.,

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MARY TOLMAN

A NEW LIGHT PINK
CARNATION FOR 1910

\$12.00 per 100. \$100.00 per 1000.

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'HUNT BROS.,
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A new Carnation seedling of wonderful merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation "The Constant" grown by Wm. Bester, of Hagerstown, Md. Color between Rose-pink and Winsor. Produces long stems and large blooms from October to June. Free of any disease and no cropper. Calyx perfect. Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years and all points guaranteed. The original seedling produced under the most scientific cultural conditions, and will supersede the Lawson. Price for Strong Cuttings, only \$10.00 per 100, \$90.00 per 1000.

C. S. FORD, - - - Box 4515, West Park, Philadelphia, Pa.

Established 1881. Florists' Supplies, Novelties, etc.

N. B. Before buying other varieties, florists should send for sample of "The Constant" as it will compare favorably with any other carnation in the market. Blooms mailed free. Address WM. BESTER, Florist, Hagerstown, Md.

BEST VARIETIES AZALEAS IN BUD AND BLOOM

Azalea Indica. In bloom for New Years. Mad. Petrick best early double pink, 75c, \$1.00, \$1.25 to \$1.50. Deutsche Perle, pure double white, and Vervaeana, double variegated rose, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. Azaleas, all sorts for Easter, at 50c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$3.00. Please state if wanted in or out of Pots.

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ROEHRS, RUTHERFORD
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PALMS, All Sorts and Sizes

Important Announcement To Carnation Growers

At the earnest solicitation of a large number of commercial and private growers, the Cottage Gardens Company has decided to disseminate this year the two famous carnations

MRS. C. W. WARD and ALMA WARD

Two varieties which are well known to all the leading growers of the country. Four years test in the New York market has demonstrated their popularity and good staying qualities. For the past three years we have been growing from fifteen to twenty-five thousand of each, during which time they have always **COMMANDED THE HIGHEST MARKET PRICES**, and at no time has the supply been equal to the demand.

On the exhibition table they have taken the **HIGHEST HONORS**, and we believe it is safe to say these two carnations **STAND WITHOUT AN EQUAL**.

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000;
25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter on strong, erect stems 36 to 42 inches in length.

This most remarkable variety takes the same place among carnations as the American Beauty Rose among roses, and has, during the past four years, been awarded numerous prizes including the following

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery February 1st, applies to
BOTH varieties.

Cottage Gardens Co., Inc.,
QUEENS, LONG ISLAND, N. Y.

Strong, Healthy, Well Rooted Cuttings, Now Ready

	100	1000		100	1000
GEORGIA, best white....	\$6.00	\$50.00	WHITE ENCHANTRESS ..	\$3.00	\$25.00
HARVARD, crimson	4.00	35.00	WINSOR	2.50	20.00
FAUST, Christmas scarlet	3.00	25.00	BEACON	3.00	25.00
ENCHANTRESS,	2.50	20.00	VICTORY	2.50	20.00
ROSE PINK ENCHANTRESS	2.50	20.00	BAY STATE	6.00	50.00
			VICTORIA (extra good)...	4.00	35.00

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L. I., N. Y.

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Rooted Cuttings

Mrs. C. W. Ward, \$12.00 per 100; \$100.00 per 1000
Alma Ward..... 15.00 " 125.00 "

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, \$6.00 per 100; \$50.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden, \$3.50 per 100; \$30.00 per 1000.

NOW READY

New Crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons at 25c and \$1.00 per package.

CHARLES H. TOTTY, MADISON,
N. Y.

ROOTED CUTTINGS CARNATIONS HEALTHY STOCK

Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

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Grafted and Own Root. Have a few thousand each. Send for List.

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FISHKILL, N. Y.

PEONIES

Send for our list. The very choicest Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,
Richmond, Indiana.

ROOTED CUTTINGS

Chrysanthemums, G. Iden Glow, Monrovia, Estelle, Polly Rose, Pacific Supreme, Desjouis, Poehlman, Enguehard, Nonin, etc.

Geraniums, Nutt, Perkins, Ricard, Buchner.

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Hardy Pinks. Giant Flowering Pansies, ready to bloom, all \$1.00 per 100, \$10.00 per 1000.
List.

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Best values at reasonable prices. Quality and vitality our chief aim. Write for illustrated catalog.

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Meadowvale Farm, Berlin, N. Y.

Boddington's Quality Sweet Peas

At the exhibition of the National Sweet Pea Society of America, held at the American Museum of Natural History, New York City, July 7 and 8, 1909, we were awarded the C. C. Morse Co.'s

SILVER CUP

for the finest collection of Sweet Peas. Open to the trade only.

Remember you may deduct 5 per cent if cash accompanies the order.

Agnes Johnstone, soft light pink.....
 Apple Blossom, rose and white.....
 Bolton's Pink, orange-pink.....
 Blanche Ferry, "extra early," rose and white
 Black Knight, maroon.....
 Dainty, light pink.....
 Duke of Westminster, blue and purple.....
 Dorothy Eckford, pure white.....
 Earliest of All, pink and white.....
 Emily Henderson, pure white.....
 Evelyn Byatt, orange-pink.....
 Emily Eckford, mauve and blue.....
 Flora Norton, blue and purple.....
 Honorable Mrs. F. Kenyon, pale yellow.....
 Jeannie Gordon, light pink.....
 Janet Scott, pale yellow or primrose.....
 Katherine Tracy, pink shades.....
 King Edward VII, crimson-scarlet.....
 Lovely, light pink.....
 Lady Grisel Hamilton, lavender and mauve..
 Lottie Eckford, lavender and mauve, picotee
 edged.....
 Lord Nelson, violet and indigo.....
 Mont Blanc, pure white.....
 Miss Wilmott, orange-pink.....
 Mrs. Walter Wright, mauve and blue.....
 Mrs. Geo. Higginson, Jr., lavender and mauve
 Mrs. Collier, pale yellow.....
 Navy Blue, violet and indigo.....
 Othello, maroon.....
 Prima Donna, pink.....
 Queen Alexandra, crimson-scarlet.....
 Queen of Pain, light pink.....
 Queen Victoria, pale yellow or primrose.....
 Romolo Piozzanni, mauve and blue.....
 Salopian, crimson-scarlet.....
 Stella Morse, light pink and primrose.....
 Shazada, maroon.....
 Shasta, pure white.....
 Sadie Burpee, pure white.....
 White Wonder (double), pure white.....

25c
per
lb.;

10c
per
lb.;

5c
per
oz.

Black Michael, maroon, lb., 35c; ¼ lb., 15c; oz., 10c.
 Earliest Sunbeams, pale yellow or primrose,
 lb., 40c; ¼ lb., 15c; oz., 10c.

Duke of Sutherland, maroon.....
 *Gladys Unwin, light pink.....
 Helen Pierce, violet, feathered white.....
 Henry Eckford, salmon-orange.....
 *Her Majesty, rose-crimson.....
 *Mrs. Alfred Watkins, light pink.....
 *Nora Unwin, pure white.....
 *Paradise, light pink.....
 Phenomenal, lavender and mauve, picotee
 edged.....
 *Primrose Spencer, pale yellow or primrose.....

50c
per lb.;
15c
per
¼ lb.;
10c
per oz.

*Countess of Spencer Hybrids Mixed, mixed.....
 *E. J. Castle, rose-crimson.....
 *Frank Dolby, lavender and mauve.....
 *Phyllis Unwin, deep rosy carmine, self.....

75c per lb.
25c per
¼ lb.
10c per oz.

*Countess of Spencer, (true stock), light pink.....
 †Christmas Pink (Boddington's) pink and
 white.....
 †Christmas White (Boddington's), pure white.....
 †Florence Denzer, pure white.....

\$1.00 per
lb.;
40c per
¼ lb.;
10c per oz.

Earliest White, pure white, lb., \$1.25; ¼ lb., 40c; oz., 10c

*Enchantress, light pink.....
 *Florence Morse Spencer, pink shades.....
 *George Herbert, almost self-carmine.....
 *Helen Lewis, orange-pink.....
 *John Ingman, rose and white.....
 *Prince Olaf, striped and mottled blue, white
 ground.....
 *White Spencer, pure white.....

\$1.50 per
lb.;
40c per
¼ lb.;
15c
per oz.

	Per lb.	¼ lb.	Oz.
† Watchung, pure white.....	\$1.75	\$0.50	\$0.20
† Snow Bird (Boddington's), pure white.....	2.00	.75	.20
† Canary, pale yellow or primrose..	2.50	1.00	.30
† Flamingo, rose-crimson.....	5.00	1.50	.50

Those marked with a * are Countess of Spencer or Unwin types.

Those marked † are winter flowering.

See our Florists' Catalogue for Novelties and other Spencer Sweet Peas, mailed free.

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Our **DOUBLE PETUNIAS**, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in pots, which will quickly furnish an abundance of cuttings.

Strong 3-inch pots, 75cts. per doz., \$6.00 per 100. The set of 15 for \$1.00.

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Superb Strain of Fringed Petunias

DOUBLE, 75 cts. per 500 seeds, \$1.50 per 1000 Seeds.

SINGLE, 50 cts. per trade pkt., \$1.00 per 1-15 oz., \$1.50 per 1-8 oz.

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Our Catalogue for 1910

Has just been mailed our patrons. It is the most complete and comprehensive **CATALOGUE** of **CHRYSANTHEMUMS** issued.

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ELMER D. SMITH & CO., ADRIAN, MICH.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, N. J.

NEWS NOTES.

Rowayton, Conn.—Geo. G. Morris, formerly of Windsor, will start in business here as florist and landscape gardener.

Mitchell, S. D.—The office of the Dakota Improvement Seed Co. has

been moved to the Commercial and Savings Bank Bldg.

Glenview, Ill.—Chas. A. Palmgren, formerly superintendent of the Swain, Nelson & Co. nursery, will start in business here this spring as Palmgren Nurseries.



MARTIAL BREMOND

Martial Bremond of Ollioules, France, is the largest grower of strictly first class French bulbs in existence. His clientele is composed of the most critical buyers all over the world. They are men who have bought Bremond products for many years, and know the value of his bulbs. Horse-shoe Brand Products in French bulbs are "Bremonds" and which means that they are the best the market affords, in the various sizes offered.

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Not How Cheap
But How Good



LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River
L. I., N. Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

ROEHRS

RUTHERFORD, N. J.

PHOENIX and KENTIAS



Seed Trade

Lawns and the Mail Order Trade.

A clever feature of the Henderson catalogue this year is a colored plate of a lawn scene emphasizing the virtues of the finer grasses. Very few of the good houses give the proper featuring to this important and lucrative department of the seed business. Henderson sets the pace so far, with a number of pages for golf, croquet, cricket, tennis, polo, and other needed formulas. A good word must be said also for Batchelor of Utica in this connection, and the Livingston Seed Co. of Columbus. There seems to be a good field here for the genius of a Burpee. If Burpee once gets started on the subject big results along that line will be apt to wake up the general trade as well as the general public. Of course, the bulkiness of lawn grasses proportionate to cost is the great deterrent with mail order houses in handling this line, but the increasing express and freight business they have been doing of late years shows them the way out, and we look for some new development in the near future. There is money in it. The public need to be educated up to quality here more than in any other feature of our business. Wayne MacVeagh paid Henderson seven dollars a bushel for lawn grass and bragged about results all along the main line. Ask anybody who's got the trade in that locality now. Yet Dreer and others were offering a first-class mixture at five dollars, and the writer believes equally as good as the seven dollar. In fact, it is no secret that the firms mentioned have often seriously considered whether they would not sell as much at seven as five. This point is especially worth considering in this year of short grass seed crops and high prices.

Selected for the Seedmen's Eye.

Among the resolutions adopted by the Farmers' Institute at Tiro are the following:

Resolved, That we recommend the amending of our bird laws so as to place the quail among the list of song birds.

Resolved, That we favor the enactment of a pure seed law.—Mansfield (Ohio) Shield.

Alleging that the Iowa Seed Company sold him one kind of clover seed when he ordered another, A. A. Gell brought suit against the company for \$1,175, claiming that amount as damages. Trial of the suit was begun recently before Judge McHenry in the law division of the district court.

Geil claims that he purchased \$175 worth of what he thought was medium red clover seed. He planted it in a ten-acre field on his farm, but instead of the variety he desired he alleges that the seed produced an entirely different sort of clover, one he claims is absolutely worthless. He claims the loss of the crop and ground and his labor in planting the seed has damaged him to the extent of \$1,175.—Des Moines (Iowa) Tribune.

According to allegations made in the

district court recently, Thomas Willett has no grounds for suing James S. Michael. The case came up when Willett purchased two pounds of White Plume celery seed from Michael, and after sowing it found that it was not an early variety, as he wanted and asked for, but was of a very late variety, and came up so late that he was unable to realize any money from the crop. Willett alleged he had been damaged to the extent of \$1,500. Michael, in defending himself, said when Willett purchased the seed he had the privilege of making any examination he wished, and that it is a custom of seed men not to feel any responsibility for selling goods under these circumstances.—Sioux City (Iowa) Journal.

A bill introduced in Albany, N. Y., January 20, by Assemblyman John M. Lupton of Suffolk County, if enacted, will compel produce commission merchants of the state to procure licenses from the State Comptroller and file bonds of \$10,000 each. Mr. Lupton is a seed grower in Mattituck, and his measure is in the interest of the farmers who send garden produce to the cities.

The bond would be required to compel commission merchants to make a true accounting to their consigners of all produce received and sold, and to remit to the consigners full net returns from the sale of all such products within ten days of the sale.—New York Times.

John Thompson, State Commissioner of Agriculture, is making a strenuous effort to improve the agriculture of the state by raising the quality of seed used by the farmers. He is sending a copy of the following letter to all the seed dealers of the state, urging them to comply with the seed laws passed by the last Legislature:

"Gentlemen:—I herewith enclose a copy of the Tennessee Seed Law, and wish to call your special attention to Sections 1-6, 11-12 of this act.

"This law has been in force for a sufficient length of time for every one to be thoroughly familiar with it, and we wish to urge you, and all seed dealers in the State of Tennessee, to comply with this law in every respect.

"With best wishes for your success and prosperity in the New Year, I am, Yours very truly,

"JOHN THOMPSON,
"Commissioner."

The sections of the law to which he calls their attention have special reference to the purity of seeds handled and the penalties for adulteration.—Nashville (Tenn.) American.

Notes.

Adrian, Mich.—W. H. Barrett, the tomato seed grower, has bought a vacant factory building, 60x320 ft. This will be used for curing, cleaning and storing tomato seeds.

San Francisco, Cal.—C. C. Morse & Co. are negotiating for a large tract of land in the vicinity of Haywards, where they are contemplating starting large seed farms.

Nashville, Tenn.—The Nashville Seed Company has recently given their salesroom at 215 Second avenue,

North, a thorough remodeling in preparation for their spring trade.

Chicago, Ill.—The onion seed warehouse of H. H. Chester was recently destroyed by fire, together with about 30,000 bushels of onion sets. They were fully insured and the fire has not interfered with business.

Fremont, Neb.—The Western Seed Co. has considerably enlarged its plant by adding a four-story building, 36x42 ft. This building increases the storage capacity by 20,000 bushels and gives additional space for the sacking. Conveyers have been added as well as another elevator, and a steam heater for heating and drying processes.

MOVEMENTS OF GARDENERS.

Dee Young, formerly of Springfield, is to take charge of the greenhouses of Mrs. George Hansen, Pittsfield, Ill.

Charles Newton, who has been gardener for some time to Mr. I. T. Burden at Newport, R. I., has resigned that position.

CATALOGUE RECEIVED.

Morris & Snow Seed Co., Los Angeles, Cal.—"A Few Hints on Gardening." This catalogue lives up to its name all right. Its descriptions and cultural notes are far in advance of the ordinary catalogue notes and it has an educational value much beyond the average.

MIGNONETTE

"Defiance" for Florists Use Oz. 40c

"New York Market" Tr. Pkt. 50c

WM. ELLIOTT & SONS,

42 Vesey St., New York.

SEEDS THAT GROW

Best quality Vegetable, Flower, and Farm Seeds, Alfalfa, Clover, Seed Potatoes, etc. We will send free with our New Catalog a packet of our New Coreless Tomato, the best of all tomatoes. Do not fail to try our Bountiful Vegetable Seeds. A collection of best 5 varieties on earth, postpaid for 40c. We also carry full line of Nursery stock.

German Nurseries,
Box 236, Beatrice, Neb.

Peas and Beans

If you want our growing prices for Crop 1910 please let us know.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

MAKE THE FARM PAY

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture, and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University, and other eminent teachers. Over one hundred Home Study Courses under able professors in leading Colleges.

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Our Stock of these Bulbs is of the finest strain procurable

SINGLE BECONIAS

	Per doz.	Per 100	Per 1000
Orange.....	\$0.40	\$2.75	\$22.50
Scarlet.....	.40	2.75	22.50
Pink.....	.40	2.75	22.50
White.....	.40	2.75	22.50
Yellow.....	.40	2.75	22.50
Mixed.....	.35	2.50	21.00

DOUBLE BECONIAS

	Per doz.	Per 100	Per 1000
Crimson.....	\$0.65	\$4.75	\$37.50
Scarlet.....	.65	4.75	37.50
Pink.....	.65	4.75	37.50
White.....	.65	4.75	37.50
Yellow.....	.65	4.75	37.50
Mixed.....	.50	3.75	33.00

CLOXINIAS

	Per doz.	Per 100	Per 1000
Red and Scarlet.....	\$0.60	\$3.75	\$32.00
Blue.....	.60	3.75	32.00
Bordered Scarlet.....	.60	3.75	32.00
Bordered Blue.....	.60	3.75	32.00
Spotted.....	.60	3.75	32.00
White.....	.60	3.75	32.00
Choicest Mixed.....	.50	3.50	31.50

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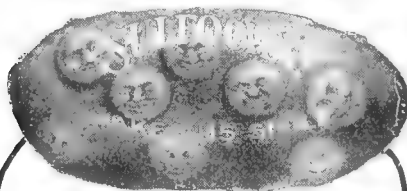
Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts \$1.25.....	Oz. Tr. Pkts	.25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts. \$1.25.....		.25
Phlox dwarf Fireball.....	2.50	.35
" Roseball.....	2.00	.3
" Snowball.....	3.00	.40
" Cecily, all shades mixed.....	4.50	.35
Salvia Zangen's Fireball, fine for pots, early.....	4.00	.50
Salvia Zangen's King of Scarlets late.....	1.00	.50
" Zurich, earliest dwarf.....	8.00	.50

For Other Seeds See My New Catalogue.
IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1500 gals. Spray, delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to-day for information.

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LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.

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Lilium Longiflorum Giganteum C. S.
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ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey
SEED for FLORISTS

TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

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26 & 27 So. Market St., BOSTON, MASS.

CABBAGE	Wakefield and Succession.
PARSLEY	\$1.00 per 1000. \$8.50 per 10,000.
LETTUCE	25 cts. per 100.
	\$1.25 per 1000.
	Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
	CASH WITH ORDERS
	R. VINCENT, JR., & SONS CO.
	White Marsh, Md.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



Stock Seed

Fiske's Branching in all colors, Tr. pkt. 40c. oz \$4.00.
Pure White, Tr. pkt. 5c. oz. \$5.00.
Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
Boston, Mass

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DETROIT, MICH.

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Both 'Phones 2670 Main.



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WILLIAM L. ROCK FLOWER CO.

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will carefully execute orders for Kansas City and any town in Missouri or Kansas.

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BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

Idaho Falls, Idaho—E. F. H. Lawrence.

Providence, R. I.—William B. Hazard, 178 Mathewson St.

Reading, Pa.—D. Kline, "Ideal Flower Shop," 216 Penn St.

Jacksonville, Fla.—The New York Florist Co., N. Davis and C. Thompson, Hogan and Adams Sts.

Middletown, Conn.—George Batty has opened a branch store of the Beebe greenhouse on Main street in the store formerly occupied by O. A. Carr. Mr. Batty is making a very fine display of potted plants and cut flowers.

BUSINESS CHANGES.

Newtonville, Mass.—Mr. Orcutt has purchased of Frank Brooks his hot houses on Brookside avenue, and will continue the business.

South Walpole, Mass.—A. B. Dorr has purchased the Williams' Farm,

STEAMER DEPARTURES

Allan Line.

Numidian, Boston-Glasgow...Feb. 4

Atlantic Transport.

Minneapolis, N. Y.-London...Jan. 29

Minnetonka, N. Y.-London...Feb. 5

Cunard.

Umbria, N. Y.-Liverpool...Feb. 2

Saxonia, N. Y.-Med't'n...Feb. 5

Ivernia, Boston-Glasgow...Feb. 8

French.

La Bretagne, N. Y.-Havre...Feb. 3

Hamburg-American.

Cincinnati, N. Y.-Med't'n...Jan. 29

Pretoria, N. Y.-Hamburg...Feb. 5

North German Lloyd.

Berlin, N. Y.-Mediterranean...Jan. 29

Grosser Kurfurst, N.Y.-Med...Feb. 5

K. Wilhelm Grosse, N.Y.-Bn...Feb. 8

Red Star.

Finland, N. Y.-Antwerp...Feb. 2

White Star.

Oceanic, N. Y.-S'hampton...Jan. 29

Cretic, Boston-Med't'n...Jan. 29

Celtic, N. Y.-Med't'n...Feb. 2

Laurentic, N. Y.-Liverpool...Feb. 5

New York, N. Y.-Med't'n...Feb. 5

with greenhouses, and will erect a new range for cucumber forcing.

New York, N. Y.—The Orchid Florist Co., 69th St. and Columbus Ave., has sold out to Chas. S. Foley, son of J. J. Foley of the Bowery.

Richmond, Ky.—John Christman, Jr., has purchased the Richmond greenhouses from the widow of the former owner, Albert Richfar.

Reading, Mass.—The W. B. Jeffrey greenhouses have been leased for several years to the Reading Floral Co. The new firm is composed of two Reading young men.

Tiffin, Ohio—Edmund J. Ullrich has purchased the entire stock of the Ullrich greenhouses. This plant has 17 greenhouses with about 75,000 square feet of glass and cultivates about 5 acres of ground. H. Routenberg of Lockport has been engaged to take charge of the growing department.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

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Telephone 1352-1353 Columbus

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1294 Broadway

Tel. 2270, 39th St. NEW YORK

Our Motto—The Golden Rule

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42 West 28 St., NEW YORK

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems
FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Established 1874.

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City
Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

CHAS. EBLE**Florist**

121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

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FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER
CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

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Your orders for flower or plant delivery in Eastern New England to

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2 Beacon St., Boston

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Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

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48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOS SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

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Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted
Merchants Bank Building
26 STATE STREET, - BOSTON
Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

CHICAGO NOTES.

The need of well-kept trees in the streets of Chicago was shown to an appreciative audience at the Klio Club Thursday by means of an illustrated lecture by City Forester Prost. Though he modestly disclaims being a public speaker, he keeps his audience thoroughly interested and with his stereopticon leaves no doubt in their minds as to the needs of the city streets.

The Chicago Council took its first step Jan. 24 towards reclaiming the entire water front for the city and park bounds by adopting an order directing the mayor to appoint "reclamation" commission to take the necessary court action to establish the rights of the city to at least 25 acres of made land, valued in the neighborhood of \$20,000 an acre.

The council also gave official endorsement of the project to hold an international municipal congress and exposition in Chicago in the fall of 1911.

The West Park commissioners at their annual meeting voted to raise the salaries of their employees, with the exception of Jens Jensen, who, according to the Tribune, will receive but \$1000, fixed salary, instead of \$2,400, as formerly. He will, however, be allowed extra pay for extra duties.

The executive committee of the Horticultural Society of Chicago will meet Feb. 4 at 2 p. m. at the Art Institute.

Among the Chicago florists who left for Pittsburgh with J. A. Valentine and Emil Glauber of Denver are C. L. Washburn, W. N. Rudd, C. C. Cropp, M. Barker, Geo. Asmus, N. J. Rupp, P. J. Foley, A. T. Pyfer, F. Lautenschlager, P. Olsen, Nic. Zweifel, W. C. Johnson, A. Poehlmann, E. C. Pruner.

Personal.

D. D. Johnson, of the Evergreen Brand Fertilizers, has returned from a trip to Ohio and leaves for Michigan in the interest of the business. D. D. Johnson states that a reasonably-sized package of the Evergreen Brand Fertilizer will be sent free to any State Experiment Station, provided the application is made direct by the official in charge of the station.

Adam Graham, Cleveland, Ohio, was in the city and expects to leave for Japan soon to take a well-earned vacation.

Robt. W. Leonard, traveling salesman for the Leonard Seed Co., of which his father is president, was married January 18 to Miss Allita Hotchkiss.

Visitors—C. B. Knickman, representing McHutchison & Co., New York; C. W. Scott, New York; Martin Reukauf, representing Bayersdorfer, Philadelphia; J. A. Valentine and Emil Glauber, of Denver, Col., en route for Pittsburgh; F. Dorner, Lafayette, Ind.; J. W. Steiner, with R. R. Davis & Co., Morrison, Ill. Mr. Steiner says the coal situation has been a serious one with them. One range of houses, containing about 40,000 square feet, devoted to the raising of cucumbers, was frozen because they could not get coal. The greater part of the crop had been harvested, but the range is left empty and therefore unproductive.

THE BEST LETTERS

FOR
FLORISTS'
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Galax and Leucothoe

Quality, Packing and Price All Right
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—F. A. Danker, 40 Maiden Lane.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Milwaukee, Wis.—C. C. Pollworth Co.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—M. A. Bowe, 1294 Broadway.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
New Orleans, La.—Chas. Eble, 121 Baronne St.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Battle Creek, Mich.—Messrs. Burt & Coggan will open a store at 11 West Main street in this city. This is in addition to their greenhouse on South avenue. The new store will be used as the firm's headquarters. They have nine greenhouses with a total of about 30,000 feet of glass.

The Dayton (Ohio) Florists' Club met last week at the home of J. F. Young. Plans for the contemplated flower show were discussed. A committee was appointed to arrange for a banquet to take place in February.

SPRING FLOWERS

Our stock of spring flowers is getting better every day and we are offering quite a variety in that line, such as

DAFFODILS

FREESIA

TULIPS

ROMANS

LILAC

PANSIES

PUSSY-WILLOW

You will find this stock of excellent quality.

Business hours: 7. A. M. to 8 P. M.

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1209 Arch Street, - PHILADELPHIA, PA.

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IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

Adiantum Groweatum AND DAGGER FERNS, Extra Quality.

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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CUT FLOWERS
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Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

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CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities

In ordering goods please add "I saw
in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Jan. 25		Jan. 25		Jan. 25		Jan. 27	
ROSES								
Am. Beauty, Fancy and Special...	30.00	to 40.00	35.00	to 45.00	50.00	to 60.00	50.00	to 75.00
" Extra.....	20.00	to 30.00	25.00	to 35.00	30.00	to 40.00	20.00	to 35.00
" No. 1.....	15.00	to 20.00	15.00	to 25.00	25.00	to 35.00	10.00	to 20.00
" Lower grades.....	6.00	to 12.00	10.00	to 15.00	8.00	to 12.00	3.00	to 8.00
Bride, 'Maid, Chatenay, F. & S.....	8.00	to 12.00	8.00	to 12.00	10.00	to 12.00	8.00	to 12.00
" Lower grades.....	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	2.00	to 6.00
Killarney, Fan, & Sp.....	12.00	to 18.00	10.00	to 12.00	15.00	to 20.00	15.00	to 20.00
" Lower grades.....	5.00	to 10.00	6.00	to 8.00	6.00	to 10.00	2.00	to 12.00
Richmond, Fancy & Special.....	12.00	to 15.00	8.00	to 12.00	15.00	to 20.00	10.00	to 20.00
" Lower grades.....	5.00	to 10.00	6.00	to 8.00	6.00	to 10.00	2.00	to 12.00
My Maryland.....	6.00	to 10.00	6.00	to 10.00	6.00	to 20.00	2.00	to 16.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
	2.00	to 3.00	2.50	to 3.00	1.00	to 2.00	1.50	to 3.00
MISCELLANEOUS								
Cattleyas.....	35.00	to 50.00	35.00	to 50.00	50.00	to .....	.....	to 50.00
Lilies.....	12.00	to 18.00	14.00	to 18.00	15.00	to 17.00	12.00	to 15.00
Lily of the Valley.....	3.00	to 5.00	3.00	to 4.00	3.00	to 5.00	2.00	to 4.00
Violets.....	.50	to 1.00	.75	to 1.50	.50	to 1.00	.50	to .75
Mignonette.....	3.00	to 6.00	4.00	to 5.00	3.00	to 4.00	2.00	to 4.00
Sweet Peas.....	.75	to 1.25	1.00	to 1.25	.50	to 1.00	.75	to 1.00
Roman Hy. Paper Whites.....	2.00	to 6.00	2.00	to 3.00	3.00	to 4.00	1.00	to 2.00
Trumpet Narcis.....	3.00	to 4.00	2.00	to 3.00	4.00	to	2.00	to 4.00
Gardenias.....	20.00	to 25.00	35.00	to 45.00	15.00	to 35.00	25.00	to 30.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	.....	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 15.00	20.00	to	12.00	to 16.00
Asparagus Plumosus, strings (100).....	50.00	to 60.00	35.00	to 60.00	50.00	to .....	.....	to 50.00
" " & Spren. (100 bchs.).....	20.00	to 40.00	35.00	to 50.00	50.00	to .....	.....	to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone
Randolph 2758.

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers.

Roses and Carnations Our Specialty.

Flower Market Reports

BOSTON This market is well supplied with everything, excepting only American Beauty roses, which are in their usual scarcity at this time of the year. All other varieties of roses are abundant and of high average quality. The spring-like weather we have enjoyed during the past few days has hastened the daffodil and tulip flowers along and prices on violets, as well as daffodils, are weakening. Conditions have been favorable for good carnations. There are evidences, however, that the supply is slackening and it is expected that the special call for use on McKinley Day will clean up the local stock in good shape. Orchids are quite generally seen in the flower windows, cypripediums, cattleyas and dendrobiums predominating.

CHICAGO Even the most optimistic cannot see evidence of any great increase in business over that of last week, which we were obliged to report as somewhat dull. Now, as then, funerals supply the bulk of trade. All kinds of flowers are scarce enough to keep prices up and green stuff is also bringing good figures. The scarcity of white roses is particularly felt. Among the retailers is marked the frequency with which they report the increase of sales of orchids which are constantly gaining in popularity here. There is unusual demand also for lily of the valley this week.

INDIANAPOLIS No sunshine for fully three weeks, consequently stock has shortened up considerably, and this past week quite a difficulty was experienced in securing stock, especially of roses. It is impossible to secure enough to fill orders. These conditions in one way are beneficial as better prices are obtained by the growers. Among the retailers satisfactory reports are received from all quarters. Spring flowers are very much in demand. A steady demand is noticed on peas, lilac, lily of the valley and orchids. Greenery of all kinds is moving well and good prices are obtained.

NEW ORLEANS The month of January has been a good one here. The New Year's Day trade was exceptionally large many stores reporting an increase over Christmas week in cut flowers; and since then the whole trade has been kept busy. The town is well filled with visitors for the Mardi Gras festival and there are fetes galore for their entertainment. The old Bridesmaid is still the favorite pink rose here. My Maryland is too uncertain in color and Killarney is too single for this warm climate. Cattleya Trianae is about over, but C. Schroderae and Mossiae are still to come and there is a fine batch of Oncidium splendendum in sight from local growers. Hudson River violets are coming here direct and arrive in good shape and meet a quick sale. Lily of the valley and callas are good stock.

(Reports continued on page 165)



The Hose Question

Isn't it about time you were thinking of getting some new lengths of Hose to replace those old ones that have been patched and mended so often that your men are losing patience? Besides that—think of the time and labor cost trying to keep them in working order?

The P/M Brand

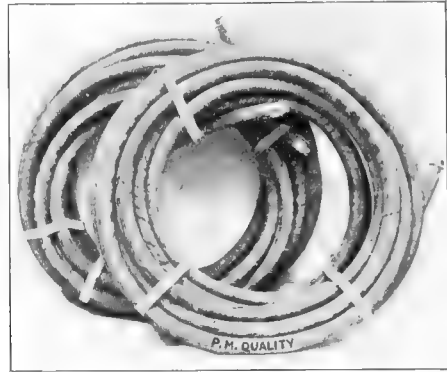
other make at the price. Quality guaranteed. 25 and 50 ft. lengths. 16c. per ft., couplings included.

The Bull Dog Brand

Next to the P/M this well-known make is in great favor with florists, 15c. per ft., couplings included.

The 30c. Hose

This may sound an extravagance to many and yet we are told by some of our customers that it is even more economical in the long run than anything lower priced. 30c. per ft., couplings included. All hose sold by us is guaranteed.



Ribbons and Supplies

Note this well as to our ribbons: Every florist using them feels that he has the latest and choicest the world affords, and that his work has that exclusiveness and individuality about it not obtainable in using inferior makes. We also have the finest line in florists' fancy pins and all kinds of supplies.

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S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Jan. 25	DETROIT Jan. 24	BUFFALO Jan. 25	PITTSBURG Jan. 25
ROSES				
Am. Beauty, Fan. and Sp.....	30.00 to 40.00	30.00 to 40.00	40.00 to 50.00	40.00 to 50.00
Extra.....	20.00 to 25.00	15.00 to 25.00	20.00 to 30.00	20.00 to 30.00
No. 1.....	10.00 to 15.00	8.00 to 10.00	10.00 to 15.00	8.00 to 12.00
Lower grades.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	..... to
Bride, 'Maid, Chateauf, F. & S.....	6.00 to 10.00	6.00 to 8.00	10.00 to 15.00	10.00 to 12.00
Low. gr.....	4.00 to 6.00	4.00 to 6.00	4.00 to 8.00	6.00 to 8.00
Killarney, Fan. & Sp.....	6.00 to 10.00	6.00 to 8.00	10.00 to 15.00	12.00 to 15.00
Lower grades.....	4.00 to 6.00	4.00 to 6.00	4.00 to 10.00	6.00 to 10.00
Richmond, Fancy & Special.....	6.00 to 12.00	6.00 to 8.00	12.00 to 15.00	10.00 to 15.00
Lower grades.....	4.00 to 6.00	4.00 to 6.00	6.00 to 12.00	4.00 to 8.00
My Maryland.....	..... to	4.00 to 8.00	8.00 to 15.00	..... to
CARNATIONS, Novelties and Fancy				
Ordinary.....	3.00 to	3.00 to 4.00	..... to 4.00	2.00 to 3.00
.....	2.00 to	1.00 to 3.00	2.00 to 3.00	..... to 1.50
MISCELLANEOUS				
Cattleyas.....	..... to .....	..... to	50.00 to 75.00	1.00 to 75.00
Lilies.....	12.00 to 15.00	15.00 to 20.00	..... to 15.00	12.00 to 16.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00	2.00 to 4.00
Violets.....	.50 to 1.00	.75 to 1.00	.75 to 1.00	.50 to 1.00
Mignonette.....	3.00 to 6.00	6.00 to 8.00	3.00 to 5.00	3.00 to 6.00
Sweet Peas.....	1.00 to 1.50	.50 to 1.00	.75 to 1.00	.50 to 1.50
Roman Hy. Paper Whites.....	1.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Trumpet Narcis.....	3.00 to 4.00	4.00 to	4.00 to 5.00	4.00 to
Gardenias.....	..... to .....	..... to .....	..... to	30.00 to 40.00
Adiantum.....	1.00 to	1.00 to 1.50	1.00 to 1.50	..... to 1.00
Smilax.....	12.00 to 15.00	15.00 to 20.00	..... to 15.00	12.50 to 15.00
Asparagus Plumosus, strings (100)	2.00 to	30.00 to 50.00	25.00 to 50.00	40.00 to 50.00
" & Spreng. (100 bchs.)	25.00 to	30.00 to 50.00	25.00 to 50.00	35.00 to 50.00

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

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Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist

55 WEST 28th ST.

Tel. 1462 Madison Square New York

FRANK MILLANG**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-
sale Market Rates.**Greater New York**
Florists' Association,
Inc.Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash****Wholesale Commission Florists**

55 and 57 West 26th Street

Telephone No. 756
Madison Square New York**MILLANG BROS.****WHOLESALE FLORISTS**

41 West Twenty-Eighth Street

Phones 3860
3861 Madison Sq. NEW YORK**REED & KELLER**

122 West 28th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in

Glassware Decorative Greens and Florists' Requisites

KRICK'S FLORIST
NOVELTIESManufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR**
LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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49 West 28th St., New York City

Walter F. Sheridan*Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**THE HIGHEST**
GRADE OF VALLEY ALWAYS
ON HAND**CARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS,** Telephone
759 Mad. Sq. 42 W. 28th St., New York**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York CityOpen from 5 a. m. to 6 p. m. Sunday
till 10 a. m.**CUT FLOWERS**

Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

Finest Lilies in the Market Every Day in the Year.**NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Jan. 22 1910		First Half of Week beginning Jan. 29 1910	
American Beauty, Fancy and Special.....	50.00	to 75.00	50.00	to 75.00
" " Extra.....	15.00	to 30.00	15.00	to 30.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, Field, Golden Gate, Fancy and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Killarney, Fancy and Special.....	6.00	to 15.00	6.00	to 15.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 5.00
Richmond, Fancy and Special.....	8.00	to 20.00	8.00	to 20.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
My Maryland.....	3.00	to 15.00	3.00	to 15.00
Carnations, Fancy and Novelties.....	3.00	to 5.00	3.00	to 5.00
" " Ordinary.....	1.50	to 2.00	1.50	to 2.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG****Wholesale Florist**

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh cut
Cycas and Palmetto.Tel. 1519
5893 Mad. Sq. 113 W. 28 St., New York.**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Durand & Marohn

MANUFACTURERS OF

All Kinds of Wire Work

Florists' Wire Designs a Specialty

24 Beaver St., ALBANY, N. Y.

MEYER GREEN SILKALINE



For Sale by all Responsible Houses throughout the country. Be sure that each spool is marked

Meyer Green Silkline

and take no other.

Price \$1.25 per lb., 8 spools to the lb.—16 oz. actual weight of Tread.

Manufactured by

JOHN C. MEYER & CO.
1500 Middlesex St., Lowell, Mass.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

WHOLESALE FLORISTS

54 West 28th St.
NEW YORK

Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

RECEIVERS & SHIPPERS OF CUT FLOWERS.

CONSIGNMENTS SOLICITED.

Flower Market Reports.

(Continued from page 163)

There was a PHILADELPHIA shortage in supplies last week on most items with the exception of bulbous stock and other miscellaneous items. Roses, particularly, were in short supply, and there was very little surplus to clear out to the street trade—as is usual on Fridays and Saturdays. The improvement reported last week kept up on nearly all lines with a distinct hardening in prices. The transient trade is much better, and the milder weather has stimulated outdoor wear in many things—especially in violets, which are now much more plentiful and selling well. While carnations have been rather plentiful the indications point to a shortening up of supplies in the near future, and better prices are looked for. The price of gardenias has not advanced any, notwithstanding the smaller crops, but the clean-up has been better so that average returns will be improved. Cattleyas are more plentiful and easier. Still a few cypripediums are in evidence and selling well. Spring flowers such as daffodils, lilac, daisies, mignonette are having a good run—for their own sake and also in part from the shortage in roses. Tulips have made their appearance. Mostly whites and yellows so far. Some very fine freesia is to be seen around, and also splendid mignonette and paper white narcissus in spots. While ordinary mignonette is quoted at 3 to 4, there is some extra quality bringing 6. An exception over regular market rates is also to be noted on Killarney and Maryland roses—a few exceptional lots bringing 25c. Pussy willows are in good demand for giving a rakish touch to a spring bunch.

Detroit reports that roses are very scarce at present, giving the grower the advantage of cleaning up daily at a good figure, with the retailer hustling for a fair profit on what little he sells.

The flower market of late has been very good at Twin Cities, Minn. On account of much cloudy weather in December and this month violets are rather scarce. Carnations are soft and almost everything in cut flowers is lacking in quality.

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street
BUFFALO, - N. Y.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the coming season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Jan. 22 1910		First Half of Week beginning Jan 25 1910	
Cattleyas.....	25.00	to 50.00	25.00	to 50.00
Lilies.....	8.00	to 12.00	8.00	to 12.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Narcis. Paper White.....	1.00	to 2.00	1.00	to 2.00
Trumpet Narcis.....	2.00	to 4.00	2.00	to 4.00
Tulips.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.30	to .75	.30	to .75
Mignonette.....	2.00	to 6.00	2.00	to 6.00
Sweet Peas (per 100 bchs).....	4.00	to 10.00	4.00	to 10.00
Gardenias.....	5.00	to 30.00	5.00	to 30.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 25.00	20.00	to 25.00
" " & Sprea. (100 bchs).....	20.00	to 30.00	20.00	to 30.00

PERSONAL.

Harry Van Koolbergen of Boskoop, Holland, is at the United States Hotel, Boston, this week.

Mrs. J. F. Sullivan of Detroit is slowly improving from her attack of dropsy which has kept her home since Thanksgiving.

John Connors, superintendent of the greenhouses on the Westinghouse estate, Lee, Mass., is seriously ill with pneumonia, at his home on Summer street.

Warren L. Baldwin, a florist from

Boston, and Margaret A. Coup of New York were married at Nashua, N. H., on January 19, at the parsonage of the Main Street Methodist church.

IN BANKRUPTCY.

E. B. Hutchins, Bangor, Me., is reported to have failed.

James Whittier, dealer in plants and garden furniture, Beverly, Mass. Liabilities, \$9,206.26; assets, \$926.00.

Patrick J. Boyle, florist, Brockton, Mass., has filed a petition in bankruptcy. Liabilities, \$3,221; assets, \$459.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADDRESSING MACHINES

Elliott Co., North Purchase St., Boston, Mass.

AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000 \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

Asparagus plumosus from 2 1/2 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nepp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

Asparagus Sprengeri 3-in., were ready for 4 and 5-in. two months ago, a bargain at \$4.50 per 100; \$40.00 per 1000. Cash. J. B. Doyle, Zanesville, Ohio.

AZALEAS

A. Leuthy, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

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Henry A. Dreer, Philadelphia, Pa.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.

For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Edward Wallis, Atco, N. J.

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BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1123 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1123 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., New York.

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A. T. Hoddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
Begonia and Gloxinia Bulbs.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Bermuda Lillies

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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

French Bulbs, Horseshoe Brand.

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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

French and Dutch Bulbs.

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H. E. Fiske Seed Co., Boston, Mass.

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E. S. Miller, Wading River, N. Y.

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CANNAS

500,000 Cannas, 100 leading kinds, home grown, \$8.00 per 1000 and more. Price list free. Shellroad Green houses, Grange, Baltimore, Md.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.

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Chicago Carnation Co., Joliet, Ill.

Sangamo and Conquest.

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The E. G. Hill Co., Richmond, Md.

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Baur & Smith, Indianapolis, Ind.

Carnation Shasta.

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A. C. Brown, Springfield, Ill.

Carnation Sangamo.

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Chas. Knopf Floral Co., Richmond, Ind., and S. J. Reuter & Son, Inc., Westerly, R. I.

Carnation Admiration.

Wood Bros., Fishkill, N. Y.

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C. S. Ford, West Park, Philadelphia, Pa.
New Carnation Constant.

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Edward Wallis, Atco, N. J.

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Chas. H. Totty, Madison, N. J.

Rooted Cuttings.

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CARNATIONS—Continued

Skidelsky & Irwin Co., Philadelphia, Pa.
Rooted Cuttings.

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Cottage Gardens Co., Queens, L. I., New York.

Carnations Alma Ward and Mrs. C. W. Ward.

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Joseph Heacock, Wyncote, Pa.

Carnation Dorothy Gordon.

J. J. Cockcroft, Northport, L. I., N. Y.

Rooted Cuttings.

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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.

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Elmer D. Smith & Co., Adrian, Mich.

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2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracena Indivisa in 3 1/2 and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Chrysanthemum Stock Plants.—Golden Glow, Pacific Supreme, White Cloud, Oct. Frost, Early Snow, White Ivory, White Bonaffon, 3c.; Merry Christmas, Dr. Enguehard, Yel. Bonaffon, 4c.; Gloria, 10c. Stafford Floral Co., Stafford Springs, Conn.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

Coleus, best varieties, strong rooted cuttings, 50c. per 100; \$4.50 per 1000. Thompson & Sons, Sta. D., R. R. 1, Milwaukee, Wis.

Coleus, \$4.00 per 1000; 60c. per 100 by mail; 50,000 good, strong, clean, well rooted cuttings, now in sand, 300,000 more coming on. Verschaffeltii, Golden Bedder, Queen Victoria and all other leading varieties. Come and see them. Cash with order. C. Schulze & Son, 261-275 Lawrence St., Flushing, Long Island, New York.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H. N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Atco, N. J.

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J. L. Moore, Northboro, Mass.

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Jantzen & Hoebel, Hicksville, N. Y.

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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias, good, strong division; all named varieties, \$1.75 per 100. C. W. Hoffman, Route 13, Dayton, Ohio.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Godfrey Aschmann, Philadelphia.

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EASTER PLANTS

George A. Kuhl, Pekin, Ill.

EVERGREENS

New England Nurseries, Bedford, Mass.

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FERNS

A. Leuthy & Co., Roslindale, Mass.

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H. H. Barrows & Son, Whitman, Mass.

Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.

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Julius Roehrs Co., Rutherford, N. J.

Farleyense.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson, Tarrytown-on-Hudson, N. Y.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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D. D. Johnson Co., Chicago, Ill.

Evergreen Brand Fertilizer.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.

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FLOWER POTS

W. H. Ernest, 28th and M Sts.,

Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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J. L. Banner, Montezuma, N. C.

Galax and Leucothoe.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbierer, 6417 Carnegie Ave., Cleveland, O.

Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100. 4-in. \$4.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

GLADIOLI

E. S. Miller, Wading River, N. Y.

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J. L. Moore, Northboro, Mass.

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Jantzen & Hoebel, Hicksville, N. Y.

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Thomas J. Oberlin, Sinking Spring, Pa.

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Gladioli. Independence, the best red in the market; also Mrs. Frances King, Giant Pink, Augusta and Groff's hybrids, genuine stock. Write for prices. Geo. S. Woodruff, Independence, Iowa.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between

25th & 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d & Lumber Sts.,

Chicago.

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Parnelsky Bros., Inc., 59 Montrose Ave.,

Brooklyn, N. Y.

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Metropolitan Material Co., 1892-1402 Metro-

politan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. John-

ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-

house Glass. Lord & Burnham, 1133 Broad-

way, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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A. T. Stearns Lumber Co., Neponset,

Boston.

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King Construction Co., N. Tonawanda,

New York.

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Hitchings & Co., 1170 Broadway, New York.

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J. C. Moninger Co., 117 East Blackhawk

St., Chicago, Ill.

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Foley Mfg. Co., Western Ave., between

25th & 26th Sts., Chicago.

Pecky Cypress for Benches.

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R. Jacobs & Sons, 1839-68 Flushing Ave.,

Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between

25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GREENHOUSE HOSE

S. S. Pennock-Meehan Co., Philadelphia, Pa.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hail Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Michigan Cut Flower Exchange,

38 and 40 Broadway, Detroit, Mich.

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The Kervan Co., 113 W. 28th St., New

York.

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Rice Bros., 115 N. 6th St., Minneapolis,

Minn.

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HEATING APPARATUS

Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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Kroeschell Bros. Co., 466 Erie St., Chicago.

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HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

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HOSE

Henry A. Dreer, Philadelphia, Pa.

Garden Hose.

HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.

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Lord & Burnham Co., 1133 Broadway, N. Y.

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Foley Mfg. Co., Western Ave., between

25th & 26th Sts., Chicago.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

Nicotifide kills all greenhouse pests.
P. B. Paethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stump & Walter Co., 50 Barclay St.,
New York.
Kilmdead Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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H. A. Stoothoff Co., Mt. Vernon, N. Y.
Tobacco Powder.
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IRIS

E. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 81 Barclay St.,
New York.
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KENTIAS

A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.
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LILACS

Henry A. Dreer, Philadelphia, Pa.
Pot Grown.

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LILY OF THE VALLEY PIPS

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MATS

Mats for hotbeds and coldframes. Not
only the most practical but the cheapest on
the market. Send for circular. J. P.
Watts, Kermoor, Pa.

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Kentucky Tobacco Product Co.,
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Beatrice, Neb.
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NURSERY STOCK—Continued

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
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Fresh Imported and Established Orchids.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham, 1138 Broadway, N. Y.

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Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

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PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PHOENIX ROEBELINI SEED

Sander, Bruges, Belgium.
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LUSTRATING**

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PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Bur-
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PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
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POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 3
inch, 2c.; Obconica Bonsderfer, Lattmann
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work,
lowest prices. Samples for stamp. O.
Fink, Pottstown, Pa.

PRIVET**CALIFORNIA PRIVET.**

500,000 3-yr. plants with 12 to 20
branches, have been transplanted once and
cut back 2 yr., \$4.00 per 100; \$37.50 per
1000, packed. Will make a good, close
hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10
to 12 branches, cut back 1 yr., \$3.00 per
100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched,
\$2.00 per 100; \$17.50 per 1000, packed.
500 to 1000 rate. Cash with order.
John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

Henry A. Dreer, Philadelphia, Pa.
Rhododendrons for Forcing.

P. Ouwerkerk, Hoboken, N. J.
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Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

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THYME

Thymus citriodorus aurus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild plant Improvement Gardens, Santa Ana, Cal.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Wanted—Contracts to grow all kinds of vegetable plants, transplanted or not; also geraniums, coleus, cannas, salvias, verbenas, pansies, etc., for spring delivery. A-1 stock only. Correspondence solicited. Alonza J. Bryan, Florist and Trucker, Washington, New Jersey.

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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

VIOLETS.

Violets, rooted runners, Campbell, California, \$1.00 per 100. John A. Burns, Frankford Ave., Holmesburg, Phila, Pa.

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A GREAT NURSERY.

The Harrison Nurseries at Berlin, Md., which cover more than 2,000 acres and require the constant services of over one hundred men, with twenty-five or more teams of horses and mules, is doubtless the largest of its kind in the country, and the excellent system of handling the work carried on under the direction of Mr. Orlando Harrison, makes it also one of the best managed. The utmost care has for years been exercised to assure the production of trees and plants absolutely true to name and variety; and no visitor, though he may hail from the remotest section of "Missouri" and may, therefore, be receptively open to "showing," can go away from the Harrison plant doubting that the methods employed there do assure "true-named" stock.

Practically all of the stock sold from this nursery is grown there—this excepts, of course, such material as apple seedlings, imported evergreens, etc. This familiarity with their products from the start gives the employes of Harrison's Nurseries an intimate knowledge of every variety of tree and plant produced there. Hundreds of dollars are expended each year in the maintenance of experimental or test plots. The various fruits—peach, apple, cherry, pear, etc. are planted here, "tried out" and watched and the results determine whether or not the variety in question shall be retained and offered for sale.

Visitors are always welcome at Harrison's Nurseries, and the great pains taken by the management to make the stay a pleasant one for all is the source of many a pleasant recollection to those who have stopped at Berlin. The Pennsylvania Railroad offers very good service in all directions; Philadelphia and Baltimore are each but a few hours' ride. The latter city is reached via steamer on Chesapeake Bay, which delightful little voyage adds greatly to the pleasure of the trip.

During Recess

Astoria Florists' Bowling Club.

The Astoria (N. Y.) Florists' Bowling Club gave a ladies' night Tuesday evening, January 25th, 1910. Thirty-six attended and all had an enjoyable time. The Florists' Bowling Club provided prizes to be competed for by the ladies and in turn the Ladies' Bowling Club, which is composed of the wives of the members of the Florists' Bowling Club, provided six prizes to be competed for by the gentlemen. Each lady received a prize. William H. Siebrecht, Sr., received the prize for the greatest number of strikes; John Miesem for lowest score in the first game; Herman H. Lorenz for making nearest to 77 in any frame; John Donaldson, for the greatest number of spares; John Boese for the lowest score in the second game; Philip Einsman for making nearest to 95 in any frame.

The ladies club bowls Tuesday afternoons and the gentlemen's club bowls in the evening. On this occasion the ladies remained in the building and the gentlemen joined them for supper. During the supper ex-captain John Miesem was presented with a token of the high esteem in which he is held by the club and in recognition of his services as captain. All had a very enjoyable time.

This is the second year of the existence of the Astoria Florists' Bowling Club, and it is certain that they will have a prize winning team at Rochester this year.

WILLIAM H. SIEBRECHT, JR.

Nassau County Horticultural Society

The annual banquet of this society took place at Glen Cove on Tuesday evening, January 25. The attendance numbered sixty among whom were C. H. Totty and W. Duckham from Madison, N. J., and Messrs. Boddington, Rickards, Burnett, Sperling and Maynard from New York, with a number of other representatives from sister societies. J. Austin Shaw made an excellent toastmaster. The tables were beautifully decorated, the banquet was fine, the music exhilarating and the responses full of wit and eloquence. The formal banquet closed at 10 p. m., but the majority remained for the real festivity which lasted until after midnight. Messrs. Totty, Boddington and Burnett made substantial donations to the society.

Dobbs Ferry Horticultural Society.

The members of the Dobbs Ferry Horticultural Society gave a very delightful dinner at J. Preusse's hall on Main street, Dobbs Ferry, N. Y., on last Wednesday evening. The tables were beautifully decorated with flowers brought by the different gardeners, and the dinner was served in a first-class manner. After dinner Joseph Dunbar acted as toastmaster. The speakers all made interesting addresses and were heartily applauded.

The officers of the Society are Thomas Lee, president; H. Kastberg, secretary and Claude Wilson, treasurer.

Albany Florists' Club.

Members and guests of the Albany Florists' Club enjoyed the annual banquet at the New Kenmore, on the even-

ing of January 13. Patrick Hyde, chairman of the banquet committee, served as toastmaster. Those who responded to toasts were: President Frederick A. Goldring, Fred A. Danker, James H. Danker, Rhinebeck; Eli D. Burke, J. D. Sambrook, Troy; George King, John J. Berberick, Frank M. Briare, Frederick Henkes and several of the invited guests and trade representatives from out of the city.

CLUB AND SOCIETY NOTES.

The annual dinner of the Nassau County Horticultural Society will take place at the Oriental Hotel, Glen Cove, N. Y., on Tuesday evening, January 25.

Prof. E. A. White of the Massachusetts Agricultural College delivered an address on "Ornamental Gardens" before the Worcester County Horticultural Society on January 18.

Lenox, Mass.—The capacity of the town hall was taxed on the evening of Jan. 24, when the annual ball of the Lenox Horticultural Society was held. The hall was decorated with palms, potted plants and cut flowers from the villa greenhouses and presented a very attractive appearance. Escher's orchestra from Pittsfield furnished music for the dancing, and a buffet lunch was served by Caterer McDermott. Many guests were present from Pittsfield, Dalton, Lee and other surrounding places, and special cars were provided to take them home after the ball.

AN INTERESTING LETTER FROM THE SUNNY SOUTH.

Have taken eleven subscriptions among the trade here recently, and will soon have some more. Horticulture has twice as many now, in this locality, as any other trade paper. We use perennial Ryegrass here as a winter grass, and have to depend on the sets of Bermuda for summer—as that is the only grass that seems to stand the climate here. Your Philadelphia representative, George C. Watson, recommended Bermuda and Texas Blue for this part of the world twenty years ago, and time has amply vindicated him. L. R.

FIRE RECORD.

Islip, L. I.—The greenhouse on the estate of Schuyler L. Parsons was totally destroyed by fire on the morning of Jan. 20. The loss is upwards of \$1,000.

Mansfield, O.—Fire recently damaged one of the Stuhldreher greenhouses and contents to the amount of about \$1500. The greenhouses are owned by Geo. and Leo Stuhldreher. There was no insurance on the property. Work will be started at once to rebuild.

St. Louis, Mo.—W. H. Kruse at 2846 Arsenal St. met with quite a loss by fire recently. His loss was nearly \$800, partly covered by insurance. The greenhouses, however, were not damaged. These latter are three in number, with a total of about 30,000 ft. of glass.

Everett, Mass.—A report recently circulated that the boiler house connected with the Woodlawn Cemetery greenhouse was destroyed by fire caused by an overheated boiler, is incorrect. There has been no fire at the Woodlawn Cemetery greenhouse or any of the other buildings.

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HELP WANTED

WANTED—March 15th, a Nurseryman of experience in packing and grading, and also a herbaceous man. Chas. R. Fish & Co., Worcester, Mass.

SITUATIONS WANTED

WANTED—A position under a good gardener in a private establishment by a respectable young man, aged 23 years, five years' first class experience. Address T. A. H., 17 Everett St., Wellesley, Mass.

WANTED position with reliable seed firm, by young man with experience in the growing as well as the retail branches of the seed business. Seeds, care HORTICULTURE.

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FLORIST PLACE FOR SALE—Fully equipped and in good running; half way between New York and Boston, in town of 7000, with 7 or 8 small surrounding places to cater to. Good retail business, cut flowers, plants and designing. Excellent place for wholesale trade, having 8½ acres of land, fine 8-room dwelling house, steam heated, practically new; barn with carriage shed and outbuildings, hen houses, etc.; greenhouses and large pottery shed, 2500 ft. and 1000 ft. glass respectively, heated by one large hot water boiler; new boiler already set up for another greenhouse which is needed to supply local demand. Own unlimited water supply with newly built pump house and pump; costs nothing but the pumping. Place started and built four years ago. Large Protestant cemetery 3 min. walk, with new Catholic cemetery being laid out within view of this place. Store down town sells plants and flowers all the year round. Reason for selling: have other business taking all my time when the florist is bustling. Will assist buyer in every way. This is a real business proposition and worth looking into. Price \$7000. Address W. S., care HORTICULTURE.

FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 13-room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland Ohio.

GREENHOUSE FOR SALE—In Bridgewater, built in 1907, size 30x100, with greenhouse attached. Kroeschell hot-water heater. One-half acre land and adjoining land can be bought. Would sell house for removal. A. H. Hobart, Bridgewater, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

burg has received the mate to his 5x6 tubular boiler, which he intends to install in the spring as a reserve.

Winchester, Mass.—The greenhouses of the late George Milne are to be conducted by his wife.

Cleveland, O.—A greenhouse owned by Fred C. Witthuhn, 3598 W. 25th St., was wrecked shortly before midnight Sunday night, Jan. 16, and broken glass was scattered for a quarter of a mile by the explosion of a boiler. The boiler room, in which the heating plant of the greenhouse was located, was blown to atoms, while great furrows were ploughed in the ground for several yards in every direction. Buildings blocks away were rocked by the explosion, which was heard for three miles. The explosion, according to the fire department, was due to a lack of water in the boiler. A slight blaze was started in the hothouse by the coals from the firebox of the boiler. It was extinguished with little trouble. The boiler was cast iron, sectional type, and was moved about 5 feet from its original position. No one was injured.

Obituary.

John J. Kuratle.

John J. Kuratle, one of the best known florists in Delaware, died at his home in Wilmington on January 14, aged 51 years. Death was caused by a cancer.

Richard Shannon.

Richard Shannon, long a prominent florist of Greene avenue, and of Parkway avenue, died at his home, 172a Clifton place, Sunday, January 16. He was born in Ireland in 1837, and had been a resident of Brooklyn for nearly fifty years. He leaves a widow and six children.

John Keefe.

John Keefe, for many years a well-known gardener at Newton Centre, Mass., died at his home on Middle street last Saturday afternoon. He was 62 years of age, having been a resident of this place many years. Funeral services were held at the Church of Our Lady Monday morning. The interment was at Calvary.

John P. Burn.

John Pugh Burn, aged 49 years, a well-known member of the firm of Meehan's Sons, florists, of Germantown, Pa., died on January 14, of acute indigestion while riding on a train near Columbia, S. C. On the train with Mr. Burn were his wife, son and daughter and Boyd Lanning, a friend. Mr. Burn was destined for Melbourne, S. C., where he owned property. A physician on the train was summoned, but Mr. Burn died before he could be taken to a hospital, having burst a blood-vessel. He was a son-in-law of Thomas Meehan and resided at Chew and Phil-Ellena streets, Germantown.

NEWS NOTES.

Eastport, Me.—George E. Ray will act as local agent for the Mitchell Company, florists, Waterville.

Marysville, Cal.—J. W. Evans, Jr., has leased the Karr property on F street for a term of years. Mr. Evans will use it for nursery and greenhouse purposes.

Somersworth, N. H.—G. S. Rams-

**Insure Yourself Maximum Crops of Excellent
Quality by Feeding and Nourishing
Your Plants with**

Evergreen Brand Fertilizer

Specially manufactured for growing Flowers, Ferns, Palms, etc.

Its recommendation is based upon careful, extended and disinterested experiments, showing that this material is a nourishing, easily, available food for crops.

It consists of about half Animal matter and half Minerals, treated and refined, thus it is free from all deleterious substances and will not burn or injure the most delicate plant root, unless an extraordinary amount is applied at the same time.

It is immediately available, and its effect upon most crops may be noticed within six days after its application.

It prevents the onslaughts of plant diseases or insect pests.

It will greatly benefit all greenhouse crops; notwithstanding the richness of the prepared soil, since it furnishes all the Plant Food elements in available forms and sufficient quantities to meet the needs of the plants,

It should receive careful attention, because its right use, permits not only an economical utilization by the plant but a control of its growth; it may be used in such a way as to change the natural tendency, and thus improve it for specific uses; thus, in addition to the increase in yield which it produces, it enhances its market value.

Its uniform action seems to be to stimulate the capacity of the plant for absorbing water and developing foliage and stem growth, and to bring out numbers of new shoots, hence roses and other flowering plants, the best results are secured when this fertilizer is applied during the early growing period, as the energies of the plant are immediately concentrated upon developing its growth.

Can be used at any time during the growing season, Dry or in Solution.

Put up in 12 pound cans, Price \$2.00.

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JUST NOTE PRICE!

Pint.....	\$ 1.50
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Furnishes the
Most Nicotine for the Money

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

THE APHINE TEST.

This newest and best recommended of the insecticides for florists' use was given a public test as to its efficiency in the Boston Flower Market last Saturday. Mr. M. C. Ebel, accompanied by R. M. Schultz, came on from New York prepared to demonstrate any quality claimed for the compound and were met by an interested audience all on the alert to learn the inside facts on this all-important topic. The demonstration was more than satisfactory and, so far as we can learn, the new insecticide has already taken a firm hold on the convictions of the gardening and floral fraternity of Boston. Messrs. Ebel and Schultz were joined on Saturday evening by their fellow-townsmen Chas. H. Totty, who had been in Manchester, Mass., delivering a lecture. The midnight train for New York bore three well-pleased Madisonians.

There will be a public test of Aphine in Philadelphia on February 12. Details later.

INCORPORATED.

Baltimore, Md.—The Thomas J. W. Brandt Nursery Co.; capital stock, \$5,000.

Tacoma, Wash.—Poole's Seed and Implement Co., F. S., F. L., C. A., and C. L. Poole, incorporators. Capital stock, \$25,000.

Plano, Ill.—The Guaranteed Seed Corn Producers; capital stock, \$15,000. Incorporators: J. R. Steward, G. S. Steward, M. J. Isaacs.

Port Arthur, Texas.—The Port Arthur Nursery Co.; capital stock, \$40,000. Incorporators: Frank Clark, R. P. Woodsworth and C. E. Smith.

Hudson, Mass.—The Middlesex Co-operative Garden Co.; capital stock, \$25,000. An advisory board consists of Representative Albert Battley of Maynard, and others.

The Winterson Seed Store report orders for the Evergreen Fertilizers to be coming in nicely, and they shipped orders to New Jersey and Oklahoma last week.

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4½ inches wide, nozzle 6¼ inches long; ¾ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

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MANURES

Dried, screened and packed in bags of 100 lbs. each.

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A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

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EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

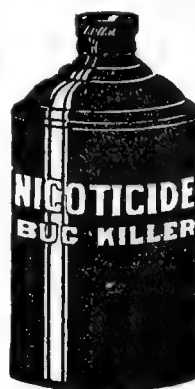
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Black Outs too

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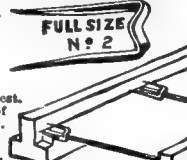
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house.Fairhaven, Mass.—Peter Murray,
house, 30x160.Ellwood, Ind.—F. W. Blubaugh,
house, 25x125.Lebanon, O.—J. H. Mulford, two
houses, in spring.Brighton, Mass.—C. E. Holbrow,
two houses, 30x100.Marysville, Cal.—J. W. Evans, Jr.,
one house, in spring.Concord Junction, Mass.—Leonard
Cousins, Jr., one house.Gresham, Ore.—Mountain View Flo-
ral Co., range of houses.Louisville, Ky.—Reynolds & Struck,
range of carnation houses, in spring.Dundee, Ill.—The Dundee Nursery,
D. Hill, prop., range of propagating
houses.Fredericksburg, Va.—F. T. and S. E.
Covey, four houses, 25x100. Bids
opened Feb. 1.Manchester, Mass.—Mrs. Evans,
"Summer White House," conserva-
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Diam.	Each.	Dog.	100.
A 11 in.	.65	7.15	55.00
B 12 1/4 "	.75	8.25	65.00
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Three largest sizes have
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Special PAINT TUBS.

8 inches,	.30	3.50	28.00
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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate	\$4.85	144 6 in. pots in crate	\$3.16
1500 2 1/4 "	" 5.25	120 7 "	" 4.20
1500 2 1/2 "	" 6.00	60 8 "	" 3.00
1000 3 "	" 5.00	HAND MADE	
800 3 1/2 "	" 5.80	48 9 in. pots in crate	\$3.60
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320 5 "	" 4.51	24 12 "	" 4.80
210 5 1/2 "	" 3.78	12 14 "	" 4.80
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Seed pans, same price as pots. Send for price list of
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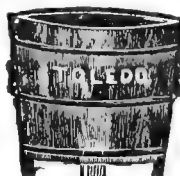
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No.	Top.	Deep.	Price
1	13 1/2	12	\$1.00
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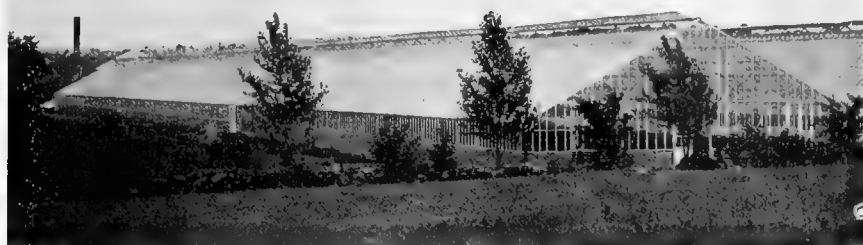
If your greenhouses are within 500 miles of
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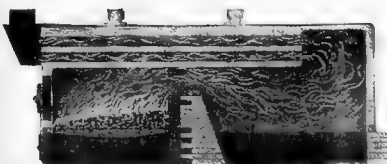
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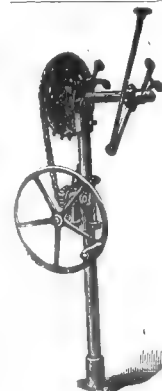
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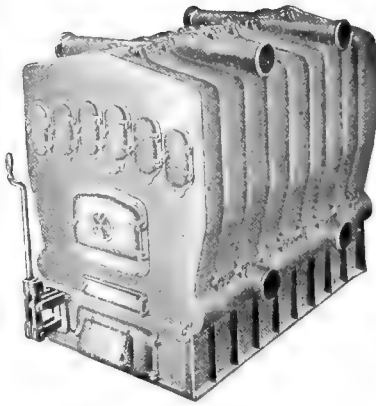
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Is what George Schuneman, the Long Island florist, who grows twelve-foot Sweet Peas, says about the heating that Hitchings & Co. have given him.

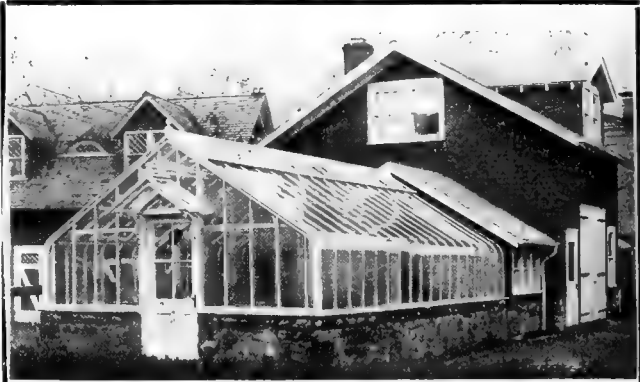
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You know that an unvarying temperature is absolutely necessary for sweet peas, or the buds drop off—the Hitchings Boilers have never gone back on him.

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HORTICULTURE

Vol. XI. FEBRUARY 5, 1910 No. 6



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Damage to greenhouse stock by too high or too low temperature can be absolutely prevented by the use of a good temperature alarm.

With such a device when the temperature rises or falls above or below a predetermined point a bell rings in any desired place about the premises.

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Our Thermostatic Electric Alarm has a field of regulation between 30° and 120° and can be set at any point between these two. Its accuracy is **guaranteed** and, as it is constructed of the best materials and has no complicated parts, it will last practically a life time.

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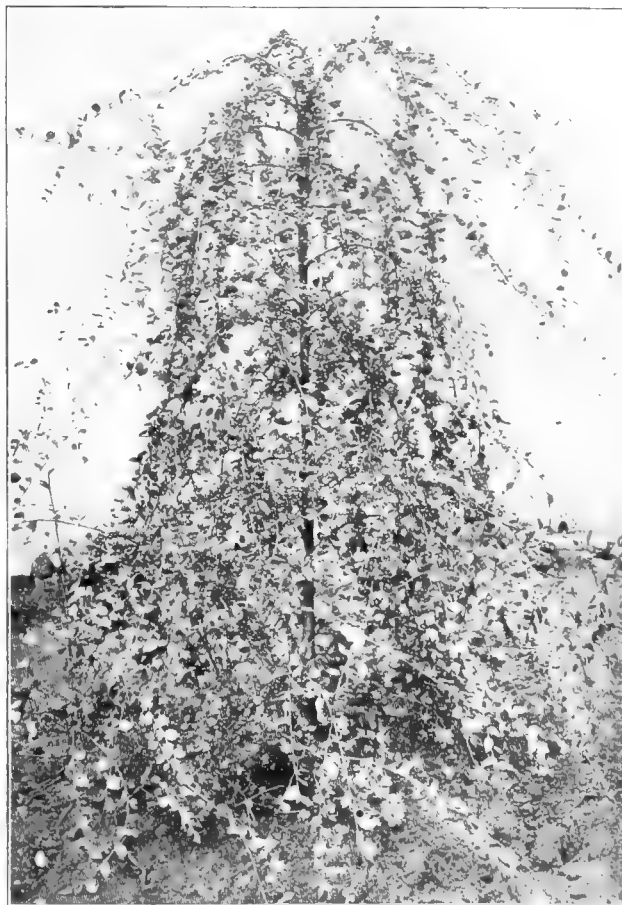
DAHLIAS Every Day in the Year

Plant Novelties From China

The outstanding feature of the Chinese flora is its remarkable richness in ornamental trees and shrubs suitable for cultivation in the gardens of temperate lands. No other flora is anything like as rich in this respect. The climate of China is continental in character, and in the central and western parts above 4,000 ft. altitude, approximates very closely to what obtains here in New England. These parts of China are extremely mountainous, in fact they are nothing but vast seas of mountains—range upon range, separated by narrow valleys, and increasing in altitude westward until they culminate in the perpetual snows of the Chino-Thibetan borderland. The average rain-fall is about 40 inches and the snow lays on the ground from late November until early April. The most marked difference between the two climates is perhaps the more constant nature of the snow-fall in western China and less changeable weather generally in winter.

Various causes, chiefly, however, the clearing of land for agricultural purposes and the general absence of coal-mining in the past, have led to the almost entire deforestation of China except in the wildest and most inaccessible parts. But so suitable is the climate for the growth of ligneous vegetation that clearings neglected for a little time speedily become dense thickets composed of miscellaneous shrubs and small trees. The steep, uncultivable cliffs, etc., are clothed with similar vegetation. It is in these thickets that the astonishing rich variety of shrubs is found. The question of the hardiness of these new Chinese trees and shrubs is one of supreme importance to prospective cultivators in this country and the solution lies in actual experiment. In England these plants have proved, almost without exception, perfectly hardy. Now as a general rule deciduous trees and shrubs thrive better in this neighborhood than across the water. For example, *Cercidophyllum japonicum*, *Dirca palustris* and *Symplocos crataegoides* are perfectly hardy in the Arnold Arboretum whereas in England they are regarded as tender. Analogy therefore suggests that the majority of these new deciduous trees and shrubs will prove hardy, suitable and amenable to cultivation hereabouts. As every cultivator knows much can be done in the selecting of different positions, etc., towards making plants hardy, and also that a large class of plants which whilst tender in their juvenile stage are perfectly hardy once above the "frost-line" and with decent sized wood on them resist the severest of winters with immunity.

The three great families to which belong the great majority of our hardy, deciduous, flowering shrubs are the Rose family, Saxifrage and Honeysuckle families. The first-named includes beside Roses all the *Prunus* and *Pyrus* (in the broadest sense), *Rubus*, *Cotoneaster*, *Spiraea*, etc., etc. The second includes the *Deutzias*, *Philadelphus*, *Hydrangeas*, *Ribes*, etc.; the third the *Viburnums*, *Diervillas* and *Loniceras*. In China all the large genera in these families run riot in number of species and so many are new and undescribed that it is impossible to discuss them satisfactorily. Further, so great is the number in every instance that to deal with them in even the briefest detail in these articles is absolutely out of the question. The "Alfred Rehder" series of articles have already given some idea of the wealth of these different genera and later it is to be hoped that the same writer will deal with the individual merits of these new species as they make themselves known in the Arnold Arboretum. The members of these familiar groups are all worth growing, all are good but some are better than others. The mass of raw material belonging



COTONEASTER DIELSIANA
As Cultivated by Messrs. Veitch.

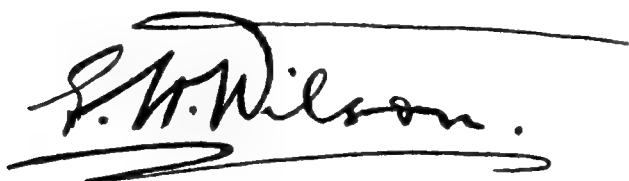
to the above and other prominent families in cultivation in the Arnold Arboretum as the result of its recent enterprise in China is phenomenal and is calculated to in a measure alter the whole aspect of shrubberies in the parks and gardens of the Atlantic coast of the country. The writer's time and space is exceedingly limited and all he can do at the moment is to mention an odd plant of proven merit here and there and leave the rest for time to prove and others to expatiate upon.

In China probably a couple of dozen or more *Spiraeas* occur. Of these *S. Thunbergii* and *S. japonica* are well-known and esteemed old friends. Three novelties of proven merit and possibly superior as hardy shrubs to any member of the family previously in cultivation are *Spiraea Henryi*, *S. Veitchii* and *S. Wilsoni*. This trio agree in having flat corymbs of white flowers but differ one from another in habit and foliage. The first-named forms a sturdy bush, 3 to 5 ft. tall, with branches straight and spreading and almost leathery leaves, shining above. *S. Veitchii* has erect and slightly arching branches 6 to 8 ft. tall, large corymbs of flowers and neat, ovate, smooth leaves. *S. Wilsoni* has soft, hairy leaves and arching stems 4 to 6 ft. tall. The flat-trusses of flowers are produced from the axils of the leaves along the entire length of the past season's growth and when in flower look like continuous sprays of the purest white, the leaves being almost entirely hidden. In merit it is difficult to decide which is best the writer's opinion inclining towards *S. Veitchii*.

The *Cotoneasters* are favorites with all on account of their ornamental fruits. This family has been aug-

mented considerably by recent introductions. One of these in *Cotoneaster Dielsiana* better known under the appropriate name of *C. applanata*. This new deciduous shrub grows 5 to 6 ft. tall, with slender, whip-like branches horizontally disposed. The leaves are small, ovate, with a grey felt covering the under side. The fruits are rich scarlet, borne severally together in branches from the axil of every leaf and are retained until very late in the year as also is the foliage. The graceful habit and free fruiting properties combined with its rich color places *C. Dielsiana* at the head of its family for beauty and general usefulness.

Another good *Cotoneaster* is *C. moupinense*, a shrub 4 to 10 ft. tall, with comparatively large, wrinkled leaves, arching branches and pendulous trusses of fruits. There are two forms of this plant, one with scarlet and one with black fruits.



More Gladiolus Notes

INADEQUATE LISTING

In looking over several gladiolus lists of American specialists and notably those in the catalogues of seedsmen I note that in many of them the varieties are listed without any regard to the class or type to which they belong. This is confusing to the advanced collector and the purchaser who prefers some particular class or strain, and I think it would be worth while for the catalogue people to give this matter some consideration.

All of the European lists are properly classified and in some instances the originator's name with the various synonyms of the variety are given. For instance, under the list of *Gladiolus gandavensis* will occur, *Reine Blanche* (Barre); synonyms, *Radium*, *White Excelsior*, *Reine d'la Anjou*, etc. Now the intending purchaser will know at once that this is not the same variety by this name offered by one of our American growers, and he will recognize the synonyms when he sees them in other lists.

I purchased last spring of a Holland specialist a few hundred bulbs of *G. Hollandia*, and shortly afterwards, in looking over an English list saw the variety *Mikado*. I was attracted by the similarity of the descriptions of these two varieties so that when I sent my order for bulbs to this firm, which included a few of *Mikado* for trial, I asked them if this variety was *Hollandia* under another name, and, if it was, to leave them out of the order. Without replying to my inquiry they sent them on and I planted them, to discover when they came in bloom that my suspicions were well-grounded. They were *Hollandia*. The firm referred to was undoubtedly imposed upon.

INTRODUCTIONS SHOULD BE UNDER NAME

I believe that all really worthy new creations should be introduced under name.

Many growers have taken advantage of Mr. Groff's method of disseminating his hybrids in mixtures and have segregated and given names to many of the best

in these mixtures with the result that we now have several Groff's with two or three synonyms each, some of which I call to mind, viz., *G. Taconic*, introduced two years ago by Arthur Cowee, Berlin, N. Y., was this year sent me under two other names—*G. George Betscher*, from C. Betscher, Canal Dover, O.; and *Coblentz No. 54*, from P. O. Coblentz, New Madison, O. Both of these gentlemen were unaware that their varieties were identical with *Taconic*.

G. Mrs. Francis King, segregated by Mr. Coblentz and introduced by Vaughan's Seed Store, is either of a *variabilis* character, or there are two varieties under this name. *G. Independence* was offered for two years as *Mrs. Frances King*, but the two varieties are entirely different—the former being of a *Gandavensis* type, with a smaller flower, while *Mrs. Frances King* is of the *Nanceianus* class in appearance, if not in pedigree. I tested these varieties from stock obtained from both distributors and segregators.

G. Rosella, a very beautiful variety introduced by Mr. Cowee some three or four years ago, is now sailing under another name, as is also *G. Geo. Paul*, a *Nanceianus* of Lemoine's.

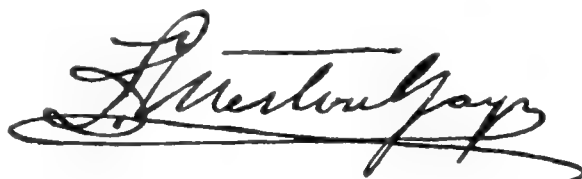
SPLENDID WHITE VARIETIES COMING

The next few years promises to bring forth some wonderful new creations in white gladioli. I already have been promised for trials next year three new large-flowering, absolutely pure white varieties from as many hybridizers, and if these varieties are up to description we will soon have some whites right up in the *G. America* class.

In the *Rural New Yorker*, Dr. Van Fleet says, "White garden gladioli appear to be albinos, however, and rarely produce white seedlings with sufficient vigor to increase with commercial rapidity. Best results may probably be looked for in crossing the finest procurable whites and yellows together, though the raising of seedlings from choice white and very light kinds both self-pollinated and interhybridized should not be neglected by the breeders desirous of improving existing varieties." The grand variety *America* has proved to be a magnet towards which hybridizers and growers of seedlings have been attracted, myself being among the number as I have a few hundred two and three-year-seedlings and about 4500 yearlings.

From reports I have received there are several million *America* seedlings now being grown, one noted plant breeder writing me that he has 400,000. It is a great producer of seed and responds abundantly to artificial pollinating. Dr. Van Fleet says it has proved an indifferent parent with him, but on the other hand, Luther Burbank says he has thousands of "best in the world" from his planting. My experience so far, however, bears out Dr. Van Fleet.

I am informed by a friend in Ohio that one of our most prominent rose specialists has become a gladiolus enthusiast and if he applies his efforts in this direction as persistently and energetically as he has with roses in the past, he will soon be in the front row of gladiolus specialists.



Cineraria hybrida

The season has arrived when these handsome, cool greenhouse herbaceous plants are throwing up their beautiful flower-heads. The florists' varieties are said to be an evolution from *C. cruenta* and for beauty and general utility they are among the best flowering plants we have, at this season. In an ordinary living room, if brought in when in full flower, and watered carefully, they will keep in good condition for over two weeks and it is a wonder that they are not grown in larger quantities by the trade than they are. Another thing in their favor is that they can be had in flower from Christmas until late in April, and they are not hard on the coal bill.

As they are almost entirely grown from seeds in this country, the greatest difficulty is to obtain a good strain of seed, and they will vary greatly in a single packet. The first to germinate are not by any means always the best; quite often, the smaller plants in the seed pan give the largest and best marked flowers. In my opinion, there has been very little advance in these plants for the last twenty-five years. The habit of the plant, size of flower, markings, and colors were just as good then as now. Of course I am quite willing that others may think otherwise. To have plants in flower at Christmas they should be sown in April, and for later use, at intervals up to August.

A good compost to sow the seeds in is equal parts of finely sifted loam, leaf mold and sharp sand; about a fourth of finely powdered charcoal may be added, as it prevents the seedlings from damping. They should be sown in a shallow pan, or box, which should be well drained. Place some of the rough siftings over the crocks and add about an inch of the above mixture, make it moderately firm, and have as even a surface as possible, scatter the seeds thinly and regularly over this, and press them slightly into the soil, cover very lightly with some of the sifted mixture and water with a very fine rosed can. Cover the pans with a pane of glass, until the seedlings appear, when the glass should be raised a little to admit air, and as the plants grow stronger remove it altogether. A temperature of sixty degrees is about right, until three or four leaves are formed. During the summer give all the air possible. A shady north house is an ideal place to summer the plants in, but they will also do well in a frame, facing north.

When the plants begin to crowd in the seed pan they should be potted off, in a mixture similar to what the seeds were sown in, but not so finely sifted, and as the plants increase in size and vigor a rougher compost may be used, with an addition of a fourth of dried cow manure. An eight-inch pot is large enough for general use, but if exhibition plants are desired, tens or elevens can be used, and for a final shift we use half fibry loam, equal parts of rough leaves and dried cow manure, with a small handful of bonemeal to every three shovelfuls of the mixture. A little sand may be added if the loam is rather stiff. When the plants are well rooted in their flowering pots, give waterings with cow manure water,

twice a week, until color begins to show in the flower buds. Cinerarias enjoy a moist atmosphere at all times, until they come in flower, and in the hot months of summer dews overhead will do them good, keeping the leaves nice and stiff. About the first of October, the plants should be removed to a house where they can get all the sunshine during the day, a night temperature of as near forty degrees as possible maintained, and allowed to rise to about fifty-five during the day; the result will be a firm vigorous growth. The stellata type of cineraria is a fine addition to the above plants, and should be largely grown for decorative work, many showing a distinct preference for them. The much advertised Scarlet Cineraria "*C. Metador*" has flowered here and is a vigorous grower, but it does not come true from seed and with us the color is poor, a dirty brick color, as I should call it, and it has the habit of curling up the back of the petal, which I consider a bad point in any cineraria. Hybridists, however, may improve it, as it is a distinct break in color from anything we have seen. The cineraria is subject to attacks from green, and white fly, which if not checked would soon destroy the plants. We find a good remedy for both is half an ounce of cyanide of potassium, ninety-eight per cent. pure, one ounce sulphuric acid, two ounces of water, to every one-thousand cubic feet of space contained in the greenhouse. Fumigate once in two weeks having the foliage as dry as possible during the operation.

George F. Stewart.

West Medford, Mass.

Some Orchid Novelties at the Royal Horticultural Society

Notwithstanding the severity of the weather but little slackening in the number of orchids shown before the Royal Horticultural Society by amateurs and nurserymen on Tuesday, January 11, was apparent. From Lieut. Col. Holford's garden came several cypripediums of fine bold proportions, and awards of merit were bestowed on *C. Atlas* a cross of *C. Ceres Fascinator* and *C. insigne Harefield* var., large in all its parts, the pouch of a rosy brown tint, petals buff spotted with brown, the dorsal sepal circular in shape, the central area green, edging white one-half an inch wide. The same award was given to *C. Bantam*, a flower with a varnish on all its parts, with some yellow color on the petals, the pouch on the interior yellow crimson, and exteriorly of a dull crimson, the dorsal sepal white, and edged with white and erect brown lines running upwards; a distinct looking flower of middle size. Mr. Ogilvie, The Shrubbery, Oxford, showed a plant of *Lycaste Skinneri armeniaca*, having white sepals and petals and lip of a blush color—a pleasing and rare combination of coloring. It received a first-class certificate. Messrs. Sander & Co., St. Albans, showed a new *Phaius* named *Cooperi*, the upper segments of which are brownish crimson, lip yellowish white, the interior of the flower a mixture of rose and pale yellow. Botanical certificate.

Frederick Moore

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Treasurer
 Beatty's retirement

The news that H. B. Beatty, for so many years the honored treasurer of the Society of American Florists, has sent in his resignation will be learned with regret by many members of the Society who know with what fidelity and conscientious-

ness the funds of the organization have been cared for by Mr. Beatty. Still more to be regretted is the reason given for Mr. Beatty's decision—ill health. We sincerely hope that the near future will bring restored health and activity to our friend with whom it was our privilege to be for many years associated in the official work of the S. A. F. The selection of ex-President W. F. Kasting by the Executive Board to succeed Mr. Beatty as treasurer was a wise one and, we believe, will give widespread satisfaction.

A pernicious
 fad

In a recent number of the Journal of Horticulture (London) we find quoted an article appearing in the Daily Review commenting upon the remarkably clever imitation, not only in form and color but in fragrance of natural flowers, which is seen in the artificial flowers now so generally in use. Thoughtful flower growers cannot but look upon this growing custom as a serious menace to their industry, something that should be discouraged by every possible means but, strangely enough, very few seem to give it any serious thought. "Only a fad which will be short-lived," it may be said. Perhaps so. We certainly hope so. But would it not be better to make sure of it and get out and do something that will help to accomplish its early demise? No business man ever has a more direct route to the editorial heart than the florist enjoys, nor can any argument possibly be advanced which will be more convincing in this particular case than a gift of natural flowers judiciously applied. Keep everlastingly hammering in the columns of your local newspaper, and in any and all other ways that are open, upon the fact that the use of imitation flowers for any purpose where natural blossoms are fit is simply vulgar. And then make good your own position by delivering "straight goods" the quality of which will be their own best recommendation.

A weak
 spot

Without reflecting in any manner on the other very excellent papers presented before the American Carnation Society at Pittsburgh, all of which we shall publish as space permits, we must say that Mr. Breitenstein's paper which appears in this issue, pleases us very much because it handles an old subject from a new view point and touches on certain standards and certain lines upon which much of the future prosperity of the carnation industry must depend. The principle on which Mr. Breitenstein's presentation is based is identically that which has been repeatedly enunciated in these editorial columns. Granted that carnations are splendidly grown, it is all the more evident that they must also be splendidly presented to the public and splendidly sold before the interests of the man who grows them are fully conserved. Rarely in exhibitions anywhere or among the florists' stores is any special appeal made to the public whereby the particular beauty and appropriateness of this flower for a hundred uses in the home and elsewhere is adequately impressed on their mind. Manufacturers and dealers in any other commodity of art or utility for daily use are much wiser in their day and generation than our flower producers appear to be. To present one's goods in irresistible guise and to employ every available means to magnify the uses to which they may be put is one of the great principles of modern salesmanship. A moment's thought will demonstrate that it is not alone the retail dealer but the flower grower whose prosperity is adversely affected by the remissness which is hinted at in Mr. Breitenstein's paper and the antiquated display methods which blanket so much of the possible good in a business way which might otherwise be accomplished.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Cyclamens.

There are few plants that surpass the cyclamen for blooming and the florist should be well supplied with a desirable stock. Seedlings that were sown last fall should not be neglected at any time. They will now be ready for a shift into 2½ or 3-inch pots. A compost of fibry loam and some well-decayed leaf mould in equal parts, with a dash of sharp sand added and also a quantity of finely crushed charcoal to keep the whole porous and sweet, with good drainage in the bottom of the pots. Give them a temperature of 50 to 55 degrees at night, keep them well up to the light, syringe on all bright days, and be careful about watering and they will come along nicely.

Gloxinias.

Gloxinias that were started in flats will now begin to make considerable roots, and when the young growth has made one or two inches across they should be potted up before they get crowded. A mixture of equal parts of loam, cow manure and leaf mould, with some fine charcoal and sharp, clean sand, is what they like. Pots of 5 or 6-inch are sufficiently large—that is, if the tubers are of ordinary size. Drain the pots well and in potting press the soil moderately firm, leaving the tops of the tubers just level with the surface. Immediately the tubers are potted, put them in heat; a temperature of about 60 degrees at night will answer. Keep on the dry side until well rooted. As soon as they begin to move, stand the plants where they will be near the glass, otherwise the shoots will be too long and weak to produce flowers of the requisite substance. Do not spray the leaves, and shade from the direct sunshine; and a good many will be in bloom for Memorial Day, when they should be found extremely useful.

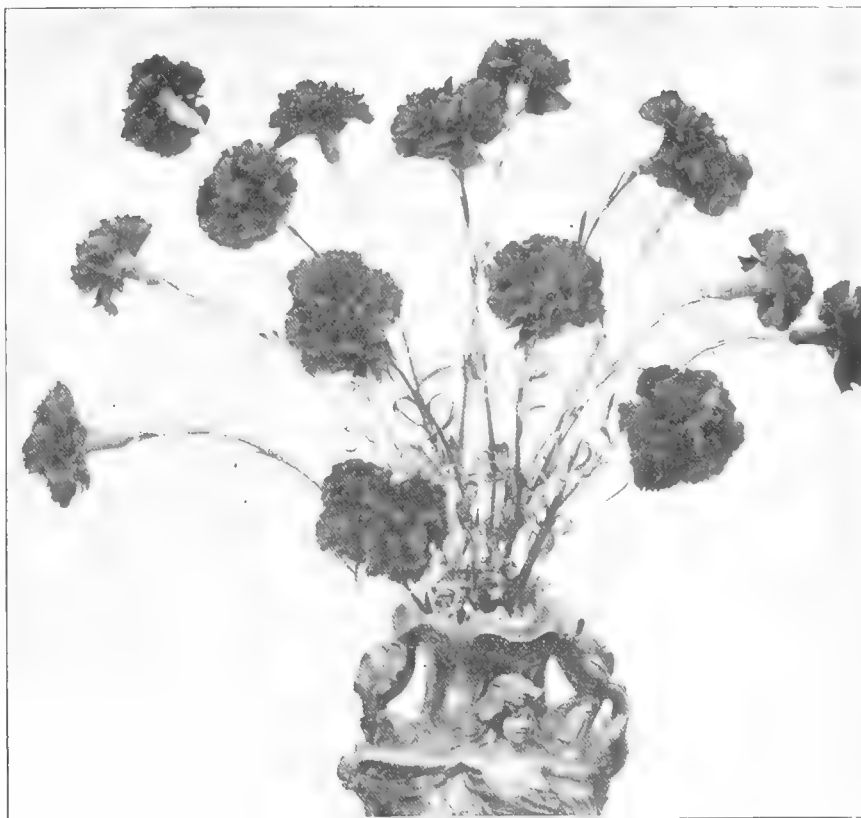
Fuchsias.

If you have any plants of old fuchsias still at rest be sure and get them out, shake the old soil off, repot in good fresh soil, cut back the unripe tops, place them in from 50 to 55 degrees by night, syringe overhead frequently and water moderately, and they will break and give you strong succulent cuttings which will make stronger plants than those started earlier. Plants that were propagated early in December should now be in 3-inch pots. They should be kept growing by shifting as they require it. A suitable compost is one part good loam to one-quarter of well decomposed cow manure. By paying attention to all these points, a growth of astonishing magnitude may be had in a few months.

Marguerites.

Be sure not to pinch any more on plants that will be wanted for Easter. They make very nice, serviceable plants for church or house decoration, both the white and yellow varieties. They do well in a light sunny house, with a temperature of about 50 degrees at night. When the roots get well matted in the pots feed liberally with liquid manure, and see that they do not suffer for want of water. Cuttings of marguerites put in now and grown

NEW CARNATION, MRS. WALTER W. COLES.



This is a bright scarlet crimson; good, stiff, wiry stem. Average flower over 3 inches in diameter. Calyx absolutely perfect. The only variety on

our place that never splits, and the most wonderfully free, continuous bloomer.

W. W. COLES.

Kokomo, Ind.

along in pots are sure to make fine plants for flowering next Christmas.

Sweet Alyssum.

This is a very indispensable plant for vases, especially the double-flowered variety. If your stock is short, now is a good time to work up a supply by putting in cuttings and these will give you plants later on.

Azaleas for Easter.

As Mad. Van der Cruyssen and Niobe require a little longer time than ordinary varieties do, it will be necessary to put these and any others that require a longer time into a warmer temperature now. But such varieties as *Vervaeana*, *Deutsche Perle*, etc., will require only about four or five weeks to bring them in about right. A warm moist house suits them best, and a night temperature of from 55 to 60 degrees is about right. Syringe them two to four times a day when the weather is bright. When growth starts ahead of the flowers see that it is removed; as the flowers show color stop syringing. Give the plants a few days to harden off before Easter, as it promotes the lasting qualities of the flowers.

Sweet Peas.

Where there is plenty of room, and all other conditions are favorable, there is plenty of money in this crop. By sowing at this time there will be less difficulty than with the early crops. Those who have the room can secure an immense crop of fine flowers for spring and early summer. They will last for picking from four to six weeks

and will find a good market. A good compost for sweet peas should consist of about three parts loam to one of manure. They should have a temperature of 45 to 50 degrees at night with a rise to 60 to 70 degrees with sunshine. To grow sweet peas successfully, ventilation is one of the most important factors. If the space on the benches is not ready, sow from four to six seeds in a 4-inch pot; they can be planted in the benches in about four weeks. Keep the leading shoots faithfully tied up to the strings so as not to have crooked stems.

Violets.

Now when the days are lengthening and becoming brighter, an abundance of side growth is put forth by violets which makes fine thrifty material for propagation. This is the very best time for the rooting of violet cuttings, and the boxing of rooted runners. None but the healthiest and sturdiest cuttings should be taken for the future stock. The cuttings can be rooted in the coolest end of the propagation bench and they can be boxed up when rooted. They can also be pricked out into flats about 3 inches deep. A sandy soil, fairly rich and put through a sieve is used instead of pure sand. Be sure and water carefully and guard against sunshine, until root formation has taken place, when they will bear the full sun and a good supply of fresh air. When well rooted place close up to the glass and in a cool, airy house, and you will have fine stock.

JOHN J. M. FARRELL.

South Norwalk, Conn.

MASSACHUSETTS HORTICULTURAL SOCIETY

Complete Prize Schedule for the Great Orchid Exhibition to be held May 26, 27, 28, 29 and 30, 1910

No. 1. Display of Orchid plants in bloom, arranged for effect, embracing at least 20 Orchid genera and bi-generic hybrids, and unlimited as to the number of species, varieties and hybrids, to fill 400 sq. ft. of space. In the arrangement, stove and greenhouse plants may be used, and the general effect produced (with or without such plants) will be considered by the judges. Cut blooms of rare sorts not exceeding in number 5 per cent of the total number of Orchid plants in the exhibit will be admissible.

First prize, Gold Medal and \$1,000; second prize, Silver Medal and \$500; third prize, Bronze Medal and \$250.

No. 2. Display of Orchid plants in bloom, arranged for effect, embracing at least 10 Orchid genera and bi-generic hybrids, and unlimited as to number of species, varieties and hybrids, to fill 150 sq. ft. of space. Specifications as in No. 1. Commercial growers excluded from competition.

First prize, Gold Medal and \$200; second prize, Silver Medal and \$100; third prize, Bronze Medal and \$50.

No. 3. For the best recently introduced Orchid plant not previously exhibited in the United States. Gold Medal.

No. 4. For the best new seedling Orchid plant not previously exhibited in the United States. Gold Medal.

No. 5. Largest and best display of cut Orchid blooms arranged with ferns or other foliage. Variety and decorative effect will be considered.

First prize, Gold Medal and \$100; second prize, Silver Medal and \$50; third prize, Bronze Medal and \$25.

No. 6. Best collection of cut Orchids of new varieties not before exhibited in the United States. Ferns or other foliage may be used in the arrangement. Gold Medal.

No. 7. Group of flowering and foliage stove or greenhouse plants arranged for effect.

First prize, Gold Medal and \$100; second prize, Silver Medal and \$50.

No. 8. Best new species of stove or greenhouse plant in bloom not previously exhibited in the United States. Gold Medal.

No. 9. Best new species of stove or greenhouse foliage plant, exclusive of ferns, not previously exhibited in the United States. Gold Medal.

No. 10. Best new species of coniferous plant, not yet disseminated, likely to be hardy in Massachusetts. Gold Medal.

No. 11. Best new species of shrub or climber in bloom, likely to be hardy in Massachusetts, not previously exhibited in the United States. Gold Medal.

No. 12. Best new species of hardy herbaceous plant in bloom, likely to be hardy in Massachusetts, not previously exhibited in the United States. Gold Medal.

No. 13. Group of botanical Orchids,

not less less than 25 plants and 15 genera. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 14. Six Orchid plants, distinct genera. First prize, Silver Medal and \$50; second, prize, Bronze Medal and \$25.

No. 15. Three Orchid plants, distinct genera. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 16. Three Cattleyas, distinct species. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 17. Specimen Cattleya, any species. First prize, Silver Medal; second prize, Bronze Medal.

No. 18. Specimen Cymbidium. First prize, Silver Medal; second prize, Bronze Medal.

No. 19. Three Cypripediums, distinct species. First prize, Silver Medal and \$15; second prize, Bronze Medal and \$10.

No. 20. Specimen Cypripedium. First prize, Silver Medal; second prize, Bronze Medal.

No. 21. Specimen Dendrobium. First prize, Silver Medal; second prize, Bronze Medal.

No. 22. Laelias, distinct species. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 23. Specimen Laelia, any species. First prize, Silver Medal; second prize, Bronze Medal.

No. 24. Laelio-cattleyas, or Brasso-cattleyas, distinct. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 25. Six Miltonias. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 26. Specimen Miltonia. First prize, Silver Medal; second prize, Bronze Medal.

No. 27. Six Odontoglossums, not less than three species. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 28. Specimen Odontoglossum. First prize, Silver Medal; second prize, Bronze Medal.

No. 29. Specimen Oncidium. First prize, Silver Medal; second prize, Bronze Medal.

No. 30. Specimen Saccolabium or Aerides. First prize, Silver Medal; second prize, Bronze Medal.

No. 31. Specimen Sobralia. First prize, Silver Medal; second prize, Bronze Medal.

No. 32. Specimen Vanda. First prize, Silver Medal; second prize, Bronze Medal.

No. 33. Three Orchids, bigeneric hybrids other than Laelio-cattleya or Brasso-cattleya. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 34. Specimen Orchid, bigeneric hybrid other than Laelio-cattleyas and Brasso-cattleya. First prize, Silver

Medal; second prize, Bronze Medal.

No. 35. Three Orchids, distinct genera not otherwise provided for in the schedule. First prize, Silver Medal and \$25; second prize, Bronze Medal and \$15.

No. 36. Specimen Orchid, any genus not otherwise provided for in the schedule. First prize, Silver Medal; second prize, Bronze Medal.

No. 37. Best specimen Orchid plant in exhibition. First prize, Gold Medal.

Intending exhibitors must file their entries with the Secretary not later than April 17.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

This society will hold an exhibition in July, 1910, place and date to be announced later. A preliminary list of prizes has been issued, of which the following is a copy.

President Harry Turner's Cup, value \$25.00, for the best 25 vases of Sweet Peas.

The W. Atlee Burpee Cup, for the finest and largest collection of Sweet Peas.

The W. Atlee Burpee Prizes, for vase of waved or Spencer type Sweet Peas introduced 1910. 1st \$5.00, 2nd \$3.00, 3rd \$2.00.

W. W. Rawson & Co.'s Prize, Silver Gilt Medal for a vase of Sweet Peas never before exhibited or disseminated, of American origin.

Rawson's Silver Medal, for the best 25 vases Spencer or Unwin types exclusively, open to trade only.

Rawson's Silver Medal, for the best 20 spikes of Sweet Peas Rawson's Snowflake.

Rawson's Bronze Medal, for the best three vases comprising white, lavender and pink; open to amateurs.

Rawson's Silver Medal, for the most successful exhibitor among the amateur classes.

Watkins & Simpson Prize, value \$10.00, for the best vase of Nora Unwin, Frank Dolby, Mrs. A. Watkins, A. J. Cook, E. J. Castle.

Arthur T. Boddington Prizes, a challenge cup, value \$50.00, \$25.00 to the winner of the cup; 2nd prize \$15.00, 3rd prize \$10.00; for a collection of Sweet Peas, 25 varieties.

Henry A. Dreer Prizes, for 21 vases of Sweet Peas, the 21 "incomparable" stand-ard varieties as enumerated in Dreer's Garden Book for 1910. 1st \$20.00, 2nd \$5.00.

Jerome B. Rice Seed Co.'s Prizes, for vase of white Sweet Peas. 1st \$5.00, 2nd \$3.00, 3rd \$2.00.

HARRY A. BUNYARD, Sec'y.

A NEW CALANTHE.

On January 27, at Horticultural Hall, Worcester, Mass., Geo. McWilliam of Whitinsville, exhibited a seedling calanthe of great beauty under the name of *C. Orpetiana*. It is named in honor of E. O. Orpet, gardener on the Thayer estate at Lancaster, who is himself an enthusiastic orchid raiser. The parents of the variety were *C. vestita rubro-oculata* and *C. Regneiri*. Seed was planted in 1902.

NAME OF CHRYSANTHEMUM.

We would call attention to an error in our note on chrysanthemum registration by the S. A. F. last week whereby the name of the new variety was given as Mrs. Jane Cochran. Same should have been Mrs. Jane Cockburn.

NATIONAL FLOWER SHOW

To Be Held in Boston, Mass., Spring 1911—Schedule of Prizes as Prepared by the Committee

Miscellaneous Flowering Plants.

	1st	2nd	3rd
Acacias—15 plants, not less than 4 varieties	\$60.00	\$40.00	....
6 plants, not less than 3 varieties	30.00	20.00	....
3 plants, one or more varieties...	20.00	15.00	....
Acacia pubescens—Specimen plant.....	25.00	15.00	....
Acacia paradoxa—Specimen plant.....	15.00	10.00	....
Acacia—Any other species or variety, specimen	15.00	10.00	....
Allamanda—Specimen plant, any variety...	15.00	10.00	....
Amaryllis—36 plants, not less than 18 varieties	35.00	25.00	....
Amaryllis—12 plants, not less than 9 varieties	15.00	10.00	....
Anthurium—6 plants, not less than 3 varieties	25.00	15.00	....
Anthurium—Specimen plant.....	10.00	5.00	....
Antirrhinum—12 plants in variety.....	10.00	5.00	....
Azalea Indica—24 plants, not less than 6 varieties	75.00	50.00	....
Azalea Indica—12 plants, not less than 6 varieties	50.00	30.00	....
Azalea Indica—6 plants, not less than 3 varieties	25.00	15.00	\$10.00
Azalea Indica—3 plants, not less than 3 varieties	15.00	10.00	5.00
Azalea Indica—Specimen plant, pink or rose	15.00	10.00	5.00
Azalea Indica—Specimen plant, white....	15.00	10.00	5.00
Azalea Indica—Specimen plant, any other color	15.00	10.00	5.00
Azalea Mollis—12 plants, not less than 4 colors	25.00	15.00	....
Azalea pontica or rustica—12 plants, not less than 4 varieties.....	25.00	15.00	....
Begonia Gloire de Lorraine—6 plants.....	15.00	10.00	....
Begonia, Flowering—6 plants, 6 varieties.	15.00	10.00	....
Boronia—6 plants, not less than 2 varieties.	15.00	10.00	....
Bougainvillea—6 plants.....	25.00	15.00	....
Specimen plant.....	15.00	10.00	5.00
Calceolaria, shrubby—6 plants.....	15.00	10.00	....
Calceolaria hybrida—6 plants.....	15.00	10.00	....
Camellia—12 plants, not less than 6 var....	35.00	25.00	....
6 plants, not less than 3 var....	25.00	15.00	10.00
Specimen plant.....	25.00	15.00	10.00
Carnations—12 plants in pots.....	15.00	10.00	....
Cineraria hybrida—6 plants.....	15.00	10.00	5.00
Cineraria stellata—6 plants.....	15.00	10.00	5.00
Clerodendron—Specimen plant.....	15.00	10.00	5.00
Crassula—3 plants.....	15.00	10.00	....
Cyclamen—36 plants.....	50.00	30.00	....
12 plants.....	20.00	15.00	10.00
Chorozema—4 plants.....	25.00	15.00	....
Specimen plant.....	15.00	10.00	....
Erica—24 plants, not less than 6 var....	50.00	30.00	....
6 plants, not less than 3 var....	20.00	15.00	....
Erica melanthera—6 plants.....	20.00	15.00	....
Erica, any species—Specimen plant.....	15.00	10.00	....
Flowering Shrubs—12 plants, standard, or tree form, in not less than 6 varieties..	30.00	20.00	....
Fuchsia—6 plants, not less than 6 var....	15.00	10.00	....
Specimen plant.....	10.00	5.00	....
Gardenia—6 plants.....	15.00	10.00	....
Specimen plant.....	10.00	5.00	....
Genista—12 plants.....	35.00	25.00	....
6 plants.....	20.00	15.00	10.00
Specimen plant.....	15.00	10.00	5.00
Flowering Plants—Group arranged for effect, with palms and other foliage plants, to cover not less than 200 square feet.....	100.00	75.00	....
Forced Shrubs—Group forced shrubs and herbaceous plants (hardy trees and vines admissible) arranged for effect, to cover not less than 300 square feet....	100.00	75.00	....
Hydrangea—12 plants, not less than 3 var.	35.00	25.00	....
6 plants, not less than 2 var.	25.00	15.00	....
Specimen plant.....	15.00	10.00	5.00
Lilac—12 plants, not less than 3 var....	25.00	15.00	....
3 plants, one or more vars.....	10.00	5.00	....
Marguerite—6 plants, not less than 2 vars.	15.00	10.00	....
3 plants.....	10.00	5.00	....
Specimen plant.....	5.00	3.00	2.00
Rhododendron—24 plants not less than 6 varieties	60.00	40.00	....
Rhododendron—12 plants, not less than 3 varieties	30.00	20.00	....
Rhododendron—Specimen plant, red or crimson	25.00	15.00	10.00
Rhododendron—Specimen plant, pink or lavender	25.00	15.00	10.00
Rhododendron—Specimen plant, white or nearly white	25.00	15.00	10.00
Rhynchospermum—Specimen plant.....	15.00	10.00	5.00
Spiraea (Astilbe)—12 plants, not less than 3 varieties	15.00	10.00	....
Wistaria—Specimen plant.....	10.00	5.00	....
Geranium (Zonal Pelargonium)—12 plants, not less than 12 varieties.....	15.00	10.00	....

	1st	2nd	3rd
Primula Kewensis—12 plants.....	10.00	6.00	4.00
Primula obconica—12 plants.....	10.00	6.00	4.00
Primula—Collection of 24 plants, not less than 6 species.....	15.00	10.00	....
Schizanthus—6 plants.....	10.00	5.00	....

Bulbs.

	1st	2nd	3rd
Hyacinths—8 10-in. pans, distinct varieties	\$25.00	\$15.00	\$10.00
3 10-in. pans, white.....	10.00	6.00	4.00
3 10-in. pans, pink and red.....	10.00	6.00	4.00
3 10-in. pans, light blue.....	10.00	6.00	4.00
3 10-in. pans, dark blue.....	10.00	6.00	4.00
Hyacinths—50 single pots, not less than 12 varieties.....	25.00	15.00	10.00
Lilies—Display, to cover not less than 100 square feet. Foliage plants may be used for effective arrangement.....	50.00	30.00	....
Narcissus, Large Trumpet—12 10-in. pans, 12 varieties.....	20.00	15.00	10.00
Narcissus, Short or Medium Trumpet—12 10-in. pans, 12 varieties.....	15.00	10.00	5.00
Narcissus—3 10-in. pans, Glory of Leiden..	5.00	3.00	2.00
3 10-in. pans, Bicolor or Victoria	5.00	3.00	2.00
3 10-in. pans, Empress.....	5.00	3.00	2.00
3 10-in. pans, Emperor.....	5.00	3.00	2.00
3 10-in. pans, Golden Spur....	5.00	3.00	2.00
3 10-in. pans, Double Von Sion	5.00	3.00	2.00
3 10-in. pans, Any other double	5.00	3.00	2.00
Tulips, Early Single—15 10-in. pans, distinct varieties.....	20.00	15.00	10.00
Tulips, Early Single—8 10-in. pans, distinct varieties.....	15.00	10.00	5.00
Tulips, Early Single—3 10-in. pans, white..	5.00	3.00	2.00
Tulips, Early Single—3 10-in. pans, pink...	5.00	3.00	2.00
Tulips, Early Single—3 10-in. pans, scarlet or crimson.....	5.00	3.00	2.00
Tulips, Early Single—3 10-in. pans, yellow.	5.00	3.00	2.00
Tulips, Early Single—3 10-in. pans, any other color or colors.....	5.00	3.00	2.00
Tulips, Early Double—6 10-in. pans, not less than 3 varieties.....	15.00	10.00	5.00
Tulips, Darwin—12 10-in. pans, 12 varieties	20.00	15.00	10.00
Tulips, Cottage or Late, other than Darwin—12 10-in. pans, 12 varieties.....	15.00	10.00	5.00
Miscellaneous collection, arranged for effect, other foliage plants admissible, to cover not less than 150 square feet....	50.00	30.00	....

Orchids.

	1st	2nd	3rd
Orchids—Collection, to cover not less than 100 square feet, arranged with foliage plants for effect.....	\$100.00	\$75.00	\$50.00
Orchids—Collection, to cover not less than 100 square feet, arranged with foliage plants for effect. For non-commercial growers only.....	100.00	75.00	50.00
Orchids—Collection, 12 plants, 12 distinct varieties.....	50.00	30.00	....
Cattleya Trianae—Specimen plant.....	25.00	15.00	10.00
Cattleya Schroderae—Specimen plant.....	25.00	15.00	10.00
Cattleya, any other variety—Specimen plant	25.00	15.00	10.00
Cypripedium Collection, not less than 25 varieties.....	50.00	30.00	....
Cypripedium—6 plants, 6 varieties.....	25.00	15.00	....
Cypripedium—Specimen, any variety.....	10.00	5.00	....
Calanthe—6 plants in variety.....	15.00	10.00	....
Coelogyne—6 plants.....	25.00	15.00	....
Specimen plant.....	15.00	10.00	....
Dendrobium—12 plants, 12 varieties.....	25.00	15.00	....
Dendrobium nobile—Specimen plant.....	10.00	5.00	....
Dendrobium Wardianum—Specimen plant..	10.00	5.00	....
Dendrobium—Specimen plant, any other variety.....	10.00	5.00	....
Hybrid Orchid—Specimen plant raised in this country.....	15.00	10.00	....
Laelia anceps—Specimen plant.....	10.00	5.00	....
Laelia anceps alba—Specimen plant.....	10.00	5.00	....
Laelia—Specimen plant, any other variety..	10.00	5.00	....
Odontoglossum—Specimen plant, any variety	10.00	5.00	....
Oncidium—Specimen plant, any variety....	10.00	5.00	....
Phalaenopsis—Specimen plant, any variety	10.00	5.00	....
Vanda—Specimen plant, any variety.....	10.00	5.00	....

Roses.

	1st	2nd	3rd
Roses—Display in pots or cubs, any or all classes to occupy not less than 300 square feet, arranged for effect.....	\$200.00	\$150.00	....
Roses—12 Climbing or Rambling, 6 or more varieties.....	60.00	40.00	....
Roses—6 Climbing or Rambling, 3 or more varieties.....	30.00	20.00	....

	1st	2nd	3rd		1st	2nd	3rd
Roses—Crimson Rambler, Specimen plant...	10.00	5.00	....	Kentia Forsteriana—Pair.....	25.00	15.00	10.00
Lady Gay, specimen plant.....	10.00	5.00	....	Specimen	15.00	10.00	5.00
Dorothy Perkins, specimen plant....	10.00	5.00	....	Phoenix Roebeleni—Pair.....	15.00	10.00	5.00
Tausendschon, specimen plant.....	10.00	5.00	....	Phoenix rupicola—Specimen.....	15.00	10.00	5.00
Debutante, specimen plant.....	10.00	5.00	....	Phoenix Canariensis—Pair.....	15.00	10.00	5.00
Hiawatha, specimen plant.....	10.00	5.00	....	Phoenix reclinata—Pair.....	15.00	10.00	5.00
Roses—Climbing, any other variety, speci-				Palms—Collection, other than above, 12			
men	10.00	5.00	....	plants, 12 varieties.....	35.00	20.00	....
Roses—Baby Rambler, Crimson, 6 plants..	10.00	5.00	....	Bay Trees—Display.....	100.00	75.00	....
Baby Rambler, Pink, 6 plants.....	10.00	5.00	....	Pair, pyramidal.....	15.00	10.00	5.00
Baby Rambler, White, 6 plants.....	10.00	5.00	....	Pair, standard.....	15.00	10.00	5.00
Roses—Collection of Hybrid Perpetuals, not				Pair, columnar.....	15.00	10.00	5.00
less than 15 plants, not less than 6				Box Trees—Display.....	75.00	50.00	....
varieties	25.00	15.00	....	Pair, pyramidal.....	10.00	5.00	....
Roses—Collection of Standard or Tree				Pair, standard.....	10.00	5.00	....
Roses, 12 or more plants, 6 or more				Pair, bush.....	10.00	5.00	....
varieties	25.00	15.00	....	Araucaria—6 plants, 3 or more varieties..	15.00	10.00	5.00
Ferns.				Croton—Display	50.00	35.00	....
Adiantum Farleyense—Specimen.....	5.00	3.00	2.00	Croton—6-inch pots.....	25.00	15.00	....
Adiantum cuneatum or its variety—Speci-				Croton—6 plants, 6 varieties.....	15.00	10.00	....
men	5.00	3.00	2.00	Cycad—Specimen, any variety.....	20.00	15.00	....
Adiantum—Specimen, any other variety...	5.00	3.00	2.00	Dracena—12 plants, 6 or more varieties...	25.00	15.00	10.00
Aspidium—Specimen	10.00	6.00	4.00	Specimen, green.....	5.00	3.00	2.00
Cibotium Schiedei—Specimen.....	20.00	15.00	10.00	Specimen, red.....	5.00	3.00	2.00
Davallia Specimen, any variety.....	15.00	10.00	5.00	Specimen, any other color.....	5.00	3.00	2.00
Gleichenia—Specimen	10.00	6.00	4.00	Ficus elastica Specimen.....	10.00	6.00	4.00
Nephrolepis exaltata and its varieties—				Ficus pandurata—Specimen.....	10.00	6.00	4.00
Display one of each, pots or pans not				Heliconia—4 plants in variety.....	25.00	15.00	....
to exceed 8 inches in diameter.....	25.00	15.00	10.00	Nepenthes 3 plants, 3 varieties.....	15.00	10.00	....
Nephrolepis Bostoniensis—Specimen.....	10.00	6.00	4.00	Specimen	10.00	5.00	....
Nephrolepis Scottii—Specimen.....	5.00	3.00	2.00	Pandanus Veitchii—Specimen.....	5.00	3.00	2.00
Nephrolepis Piersoni—Specimen.....	10.00	6.00	4.00	Pandanus—Specimen, any other variety...	5.00	3.00	2.00
Nephrolepis Piersoni elegantissima—Speci-				Greenhouse or Stove Foliage Plants—6			
men	5.00	3.00	2.00	plants, 6 varieties.....	25.00	15.00	....
Nephrolepis Whitmani—Specimen.....	5.00	3.00	2.00	Cacti and Other Succulent Plants— Collec-			
Nephrolepis—Specimen any other variety...	5.00	3.00	2.00	tion, not less than 50 varieties.....	30.00	20.00	....
Polypodium, or Goniophlebium—Specimen..	15.00	10.00	....	Economic Plants—Collection, not less than			
Stag Horn Fern—6 plants, in variety.....	15.00	10.00	5.00	50 varieties.....	50.00	35.00	....
Specimen, any variety.....	5.00	3.00	2.00	Banana Tree—Specimen in fruit.....	10.00	5.00	....
Tree Fern Specimen.....	25.00	15.00	....	Lemon Tree—Specimen in fruit.....	10.00	5.00	....
Fern—Specimen, any other variety.....	10.00	6.00	4.00	Orange Tree—Specimen in fruit.....	10.00	5.00	....
Fern—Specimen, new variety, not yet in				Conifers—Collection in pots or tubs, not			
commerce	Silver	Bronze	Medal	less than 25 varieties.....	75.00	50.00	25.00
	Medal	Medal		Conifers—6 specimens.....	30.00	20.00	....
				3 specimens.....	20.00	15.00	....
				2 specimens.....	15.00	10.00	....
				Single specimen.....	10.00	5.00	....
Palms and Foliage Plants.				Any exhibit of merit not included in above schedule will be			
Areca—Pair	\$25.00	\$15.00	....	properly recognized, especially any new, rare or meritorious			
Specimen	15.00	10.00	....	plants.			
Cocos Australis or its varieties—Specimen.	15.00	10.00	5.00	Additions may be made to this schedule later on, if found			
Cocos plumosus—Specimen.....	15.00	10.00	5.00	advisable.			
Kentia Belmoreana—Pair.....	25.00	15.00	10.00	Cut flower schedule will appear later.			
Specimen	15.00	10.00	5.00				

A CARNATION, THE PEOPLE'S FLOWER.

(A paper read before the American Carnation Society by H. W. Breitenstein.)

Flowers are no more a luxury in modern life than are good clothes, comfortable homes and the many things in daily use that place living above an existence. There is probably no normal human animal without an inherent love of the beautiful and that finds no commoner expression than in a fondness of flowers. The indulgence in this expression, it must be conceded is primarily a matter of cost. He of limited means—and he is legion—must have value received, be it in color, for cheer in dull environment, fragrance, to stimulate the sense, perhaps reminiscent of a happy yesterday or mayhap to anticipations of the morrow, the influence is only for good. Nevertheless, it must not be a "flower for a day."

The Carnation has been the Peoples' Flower, its beauty and fragrance appealing to the senses and its cost placing it within the means of all having more than enough for the common necessities of life; then its hardness giving prolonged pleasures. Mark well the assertion, "has been the Peoples' Flower." Perhaps it still is, and maybe, shall so remain; that, it seems, is "up to you."

From observation, it seems to lose in popularity. Why? Certainly not in that it is less beautiful. What is the answer? Is it not, in that it becomes more and more ephemeral each year as it loses its hardihood, its fragrance, and gains nothing in beauty. Admitting that it grows larger; size alone is not beauty and bulk at the sacrifice

of natural charms does not hold the affections of the people. Might it not be well to consider what qualities are most essential to the pleasures of the consumer, without which all were in vain.

Color we have and, from a decorative point of view, no flower offers more. If given the proper treatment one can obtain from the most gorgeous to the softest of tones, and now is perhaps the best time to make the one exception. We need yellow—now come to its own in popularity and deservedly so, as no color diffuses more warmth and nature uses it profusely.

One essential feature to a more general use of the flower is naturalness. One cannot obtain a very artistic arrangement without more natural environment, hence the obvious need of carnation foliage, with which the flower, for table decorations (perhaps its greatest use other than for memorial purposes) would be incalculably enhanced, also for personal adornment and for favors. A full bouquet of carnations with their warmth of color relieved by a touch of foliage makes an adornment any lady would be pleased to accept and proudly wear.

Simplicity is the key note of art. Be it in music, painting, sculpture, architecture or any other branch, and its highest expression is faithfulness to nature, as she reveals herself. Where are the monster chrysanthemums which were a fad some years since? They are replaced by the smaller and more perfect ones of today even the small natural ones having more uses. What Rose has won favor more than the semi-single, fragrant, hardy ones? The American Beauty is a notable exception, not for the beauty of its color

so much as for fragrance and especially for its endurance.

A PRIZE OPEN TO EVERYBODY.

Kroeschell Bros. Co. of Chicago, have sent us a sample of their new 5-inch carnation measure which they will be pleased to send to any and all who apply, accompanied by the following letter which we are sure will be read with much interest:

Chicago, January 22, 1910.

Mr. W. J. Stewart,
Editor HORTICULTURE.

Dear Sir: Referring to the new carnation measure which we are just getting ready to offer the growers of the country.

Several years ago the writer circulated among the florists of the country, the Kroeschell Carnation Measure, which is so well known. This measure was four inches in diameter. At that time there was no carnation that would entirely cover the measure, and when asked why the measure was made so large, he stated: "I want to set a mark for the growers to work to and I am sure that many will make the effort which will result in finally covering the disc."

The prediction of the writer has come true; in an issue of your journal following the last Carnation Convention, we note a grower showing a photographic reproduction of one of his carnations completely covering our carnation measure. So today we set a new mark. Our new carnation measure has been increased to five inches in diameter, and while this may seem to be asking a great deal, yet, we feel that the growers are moving forward steadily, and surely, and that with this new mark continually before them, some growers will in time put even this five-inch carnation measure out of business.

To help the good work along, we offer as a special inducement a prize of \$25 in gold or a beautiful gold medal of equal value, to the grower who exhibits the best dozen of carnations at either of the following shows, covering the new carnation measure of five inches in diameter:

National Carnation Show, Pittsburg, 1910; Chicago Flower Show, 1910; National Flower Show, Boston, 1911

Yours truly,
KROESCHELL BROS. CO

AMERICAN CARNATION SOCIETY

Final Convention Proceedings and Banquet

The enthusiasm of the Carnationists and attending visitors to the Pittsburgh Convention never dulled from their arrival to the time of departure. It was not unusual to say a "good-bye" to a fleeting guest, and to meet him later in the day and be told that it was impossible to leave such a happy throng behind. The air was resonant with bubbling jubilation. It was like a large family reunion—everybody patronized, everybody knew everybody, and those who did not know one another soon became acquainted. The fact that the hotel housed the whole convention, including the carnations, the carnationists and the meetings, added greatly to the success of the nineteenth annual reunion. I will say, there was some pretty maneuvering as to where the convention should go next year, but one could feel it in his bones, so to speak, that Boston would win the prize. The members should be congratulated on their good judgment. It augurs well for the society and for the National Exhibition in 1911.

The local club worked harmoniously and like a well-oiled machine, and was guided by a master hand from start to finish.

The "English Room," where the exhibition was held, made a unique setting. The floor was approached by four steps (downward) so that one could stand at the entrance and get a panoramic view of the whole—an inspiring sight when one can look backward to the "initial performances." The dark oak walls and sombre trimmings of this hall intensified and emphasized the coloring and beauty of the flowers.

If criticism could be offered to future exhibits of this sort, I would say that the tables were too high, and that the stereotyped arrangement of the tables in parallel lines is wrong from an artistic and aesthetic point of view. If the tables could have been arranged in graceful serpentine form around the hall, interrupted here and there by a mantle, or altar decorations of carnations and the center of the hall allowed to remain more open, filled here and there with table and other decorations showing to what good use this grand flower could be adjusted, it would have a tendency to broaden not only the ideas of the grower and the storeman but the ultimate consumer, who is the fellow we are after. Prizes to the retailer, covering all his work, and prizes for the most unique and novel arrangements of carnations would not only educate but enlarge the scope of work and success of the A. C. S.

The meetings were all well attended

and the interest keen—no extraordinary point, however, was revealed and few novel suggestions brought out. The social end was well taken care of and did not interfere with the business meeting. The banquet was magnificent from all viewpoints, nearly three hundred attending, and the oratory was filled with enthusiasm.

The Banquet.

The "English Room," by the magicians wand was evolved into the banquet hall and visitors inspired to flowery oratory; the ladies vying with the kaleidoscopic colorings of the "divine flower" in rich and beautiful toilets. The blooms previously staged were banked on either side of the banquet hall and the round tables were decorated with the same festive blooms.

The banquet was but a climax to a long list of successes, and from a floral, oratorical and gastronomical view, a rare awakening to all participants, not forgetting the interspersing of beautiful music and song, all of the highest order. The menu was in keeping with everything else. It was adorned with an embossed spray of red carnations and gave, in addition to the list of pieces by the Carnegie Tech Glee and Mandolin Clubs, a series of verses and rollicking choruses in which the entire company from time to time joined.

William Falconer was toastmaster. After the banquet the first thing in order was the presentation of the S. A. F. medals.

Fred Dörner, Jr. received the gold medal for Hoosier Lad, with graceful acknowledgement. Richard Witterstaetter received the silver medal for President Valentine and Eugene Dailledouze the bronze medal for White House. Both made modest acknowledgement.

At this point a telegram from the Boston banqueters, appreciating the fact that the convention was going to Boston and according a cordial welcome and that a pot of Boston beans would be immediately put on the fire, was read amid great enthusiasm.

The toast-master then called on President Herr to make a few remarks about the society, which he did in a most complimentary and sanguine vein. Ex-President Valentine then spoke for the S. A. F. & O. H., in a humorous and eloquent manner, stating that he thought when he had become an Ex that he had laid down the laurels of office, but it was not to be. He spoke of the segregation of the different societies and of their work and thought that more cohesion would be better for all concerned. He congratulated the A. C. S. upon their good sense in going to Boston, and spoke along the lines that unity was strength.

Mr. P. S. Randolph had for his subject, "Our Boys and What Are We Going to Do With Them?" He thought

they should follow in the footsteps of their fathers and that they would have an easy time as all the pioneer work and hard labor had been well nigh completed.

E. C. Reineman spoke enthusiastically for the Pittsburgh Florists' Club, of which he was the first president, which has now a membership of 160.

The toast-master, in introducing the next speaker, F. R. Pierson, stated that next year the flower show in Boston would be the finest and largest the world ever saw. President Pierson for the S. A. F. & O. H., and for the National Flower Show, 1911, discussed the future of the society and outlined the work for the great exhibition in the Hub city. He said that the Boston show was the greatest opportunity that the allied horticultural societies had ever had and that all should take advantage of it. It was an immense undertaking and \$10,000 had already been guaranteed. The Chicago National Show had cost \$25,000 and had been successful. The 1911 Show would be entirely different, coming as it would in the spring, and with the co-operation of the Carnation Society, the Rose Society, the Massachusetts Horticultural Society, the allied New England and other societies, could not help but be a tremendous success.

W. F. Kasting spoke of the "Influence of the Carnation in Politics," in which he claimed that this flower had played an important part, and gave several instances and anecdotes relating to same.

H. B. Howard spoke for the "Trade Press and Its Influence." He said that while the Carnation and other societies held their annual conventions, the trade paper was a convention in itself 52 times a year.

Judge Vesey spoke for the ladies in a practical, poetical and sentimental vein, and seemed to think that flowers even in their single state played an important part with lovers in the aboriginal ages.

Arthur G. Burgoyne of the Chronicle Telegraph spoke for the Pittsburgh press and recited an original poem.

Robert Craig replied to the toast, "The Old Boys," and their influence in the past. He asked his audience to overlook their faults and to remember only their virtues and the work they had done, and joined the names of Peter Henderson, John Thorpe, W. R. Smith, Wm. Scott, Edwin Lonsdale, and regretted that he had not more time to mention others.

Prof. Brashear, Sam'l McClements and others also spoke, and after the singing of Auld Lang Syne, three cheers for the Pittsburgh Florist Club and the Pittsburgh ladies, and much handshaking, the banqueters retired, all voicing the praise of the welcome and hospitality which had been so generously bestowed.

Mr. Falconer made an ideal toast—

The Best Florists' Book Ever Published

The **NEW RICE CATALOGUE** is the handsomest, the most elaborate, the **best** illustrated, the most expensive Retail Florists' supply book ever published. And it is **FREE** to all.

Yours for the Asking.

Simply write on your business paper, or enclose your business card, showing you are in the trade, and it will be mailed free.

**"Do Not Turn Your Back
On a Good Thing"**

Get acquainted with us. We can help you in many ways.

M. RICE & CO. **LEADING FLORISTS' SUPPLY HOUSE** **Phila.**
Of America
1220 RACE STREET

master and his introductions of speakers were always accompanied with some sage, humorous apropos remarks.

Proceedings Subsequent to Last Week's Report.

On Thursday afternoon it was voted to increase the secretary's salary to \$250. After a long discussion a resolution was adopted increasing fine for late entry to \$2.00. A preliminary certificate was awarded to Frank W. Whitney for grand white carnation Wodenthe which scored 90 points. F. R. Pierson was elected a trustee.

A Visit to Bakerstown.

On Friday about one hundred journeyed to Bakerstown where the Pittsburgh Cut Flower Co. have their immense plant. The party was taken from Pittsburgh in two large inter-urban trolley cars and were met at the end of the line by huge sleighs so that all were treated to a good old straw ride, much enjoyed by all. After inspecting the houses, Mr. Fred Burkl spread before the visitors a generous collation, with real Pittsburgh stogies. After three cheers for their host the party returned to Pittsburgh, and reluctantly to their homes.

FIRE RECORD.

Islip, L. I.—The greenhouse on the estate of Schuyler L. Parsons, 10x50 feet, filled with Easter lilies and other plants, was totally destroyed on the morning of Jan. 20. Loss \$1,000.

Mansfield, Mass.—W. C. Winter had a slight fire in his main greenhouse Wednesday morning, Jan. 12. It was extinguished without the aid of the fire department.

OBITUARY.

James Best.

In the passing of James Best, florist and nurseryman, who died Sunday, January 15, Santa Clara County, Cal., lost one of its pioneers and a very substantial citizen, who played well his part in the development of the valley.

Mr. Best was born in Cornwall, England, October 26, 1832, and he went to California from Australia about forty years ago, settling in Santa Clara valley, where he made his home up to the time of his death.

A NEBRASKAN ENTERPRISE.

Rev. C. S. Harrison informs us that the C. S. Harrison Select Nursery, at York, Nebraska, which a little over a year ago doubled its plant, is now about to incorporate with \$15,000 capital; at the same time taking in Fred Yule of Lincoln, having a branch in the capital city. The Elmwood Select Nursery of Paynesville, Minnesota, under the care of Frank Brown, is a branch of the York Nursery, especially engaged in raising evergreens; for soil and climate in that region are much more favorable than in Nebraska. Splendid success has attended the northern enterprise thus far and they expect to raise evergreens by the million there.

Victoria, B. C.—The Layritz Nursery Co. of this city have established a branch at Kelowna, where A. E. Boyer will be resident manager. Preparations are being made for extensive planting and building.

A CORRECTION.

In Mr. Wilson's plant notes on page 145, last week's issue, sixth line from bottom of first column, "one-potting" should read "over-potting."

A movement is on foot to organize a horticultural society in Yonkers, N. Y.

THE PUBLIC APHINE TESTS

Held in New York in December, and in Boston in January, have given such satisfactory results to the manufacturers of Aphine, that another test will be held in Philadelphia on Lincoln's Birthday, February 12th, 1910.

Further particulars in next week's issue.

If you are not familiar with the new insecticide discovery APHINE, send for descriptive circular.

If your supply-house does not yet handle APHINE, write us for names of nearest selling agents.

**APHINE
MANUFACTURING
COMPANY
MADISON, N. Y.**

News of the Clubs and Societies

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Resignation of Mr. H. B. Beatty.

Owing to impaired health Mr. H. B. Beatty, treasurer of the S. A. F. & O. H., tendered his resignation as treasurer at a meeting of the Executive Board held at Pittsburgh, Pa., on January 26th to 28th, 1910. The resignation was accepted by the board. The appointment of Mr. W. F. Kasting of Buffalo, N. Y., as the successor of Mr. Beatty, was confirmed. Mr. Wm. F. Kasting having been duly qualified according to Article II, section 3, paragraph (d), is now Treasurer of the Society.

The following is the resignation of Mr. Beatty and the resolutions passed by the Board.

Pittsburgh, Pa., Jan. 27, 1910.

Mr. F. R. Pierson, President,
Society of American Florists and
Ornamental Horticulturists,
Fort Pitt Hotel, City.

Dear Sir:—
I hereby tender my resignation as treasurer of the Society of American Florists and Ornamental Horticulturists, to take effect as soon as my successor can be elected and qualified.

As a large majority of the directors of the Society are in the city, I trust that you may be able to get them together today or tomorrow, to elect my successor, as I desire to turn over all funds of the Society as soon as possible.

Very truly yours,
F. B. DÖRNER, Secretary.

Fort Pitt Hotel,
Pittsburgh, Pa., Jan. 27, 1910.

WHEREAS, The Executive Committee of the Society of American Florists and Ornamental Horticulturists has received the resignation of Mr. H. B. Beatty, as treasurer of the Society.

THEREFORE BE IT RESOLVED, That in accepting this resignation we desire to place on record our appreciation of his long and valued services to the Society and his unbounded liberality with the office.

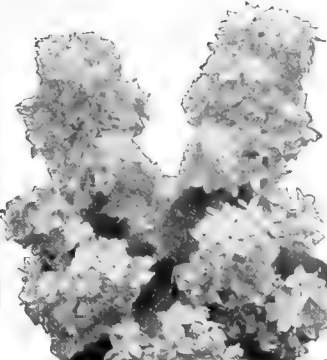
We part with him with the greatest regret which we feel sure will be shared by every member of the Society.

It is only our consideration for his impaired health, which we are assured is due to overwork in his many interests, that compels us reluctantly to accept his resignation at this time.

E. B. DÖRNER, Secretary

FLORISTS' CLUB OF PHILADELPHIA.

The regular meeting on Tuesday last was well attended, the attraction being the paper by Adolph Farenwald, "Why the Small Rose Grower Should Join the American Rose Society." Abundant food for thought was brought out in this paper, and the between remarks made by the essayist, the principal point being that the average rose grower does not show the same amount of enthusiasm as the carnation grower, hence the latter society has better attended meetings and exhibitions. The various points were debated by Chas. E. Meehan, W. A. Leonard, Robert Kift, Leo Niessen and S. S. Skidelsky. The latter gave some illustrations of how, only a few years ago, it was difficult to sell a new carnation; now old varieties have been superseded by better ones and today new ones are continually coming out, so that the carnation introducer and the carnation grower are compelled to go to the conventions to keep up-to-date, while in roses so



Beautiful! Novel! Valuable!

The Newest Lilacs

Double and Single
Extraordinary Offering

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best

**FRUIT AND ORNAMENTAL TREES,
SHRUBS, ROSES and HARDY PLANTS**

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N. Y.

Finest Block of

ALL SIZES.

White Pine IN THE EAST...

ORDER NOW FOR SPRING.

Eastern Nurseries,
Jamaica Plain, Mass.

H. S. DAWSON,
Manager.

English Manetti Stocks

For Grafting Tea Roses Under Glass

Per 100 \$2.00

Per 1000 \$18.00

Arthur T. Boddington

342 W. 14th St., New York

few changes in varieties are made, as compared with carnations.

At the March meeting Albert M. Herr will be the essayist; his subject, "Carnations."

Much satisfaction is expressed here that the Carnation Society goes to Boston next year at the time of the National Flower Show, and it is hoped that the Rose Society will do likewise.

NEW YORK FLORISTS' CLUB.

At the next meeting of the New York Florists' Club the following prizes will be awarded: Prize for the best exhibit of carnations. Prize for novelties sent out in 1908-09; not less than 25 flowers of one variety. Prize for the best 50 carnations of any variety. These prizes are offered by Reed & Keller, Stumpp & Walter, Vaughan's Seed Store.

All exhibits should be sent in care of Mr. Walter F. Sheridan, 39 West 28th street, who will see they are properly staged.

The essayist of the evening will be

Mr. W. H. Taplin on "Carnations." Ladies are invited.

JOHN YOUNG, Secretary.

ILLINOIS STATE FLORISTS' ASSOCIATION.

The fourth annual meeting of the Illinois State Florists' Association will take place Feb. 15th and 16th. As the meeting is at Urbana where the State University and the State Agricultural Experiment Station are located, the meeting will be of unusual importance. The conservatories, put up after the most approved models, will be worth the visit to anyone intending to build soon and the meetings themselves will be of special interest because of the location. A large attendance is expected.

Prof. W. P. Brooks of the Amherst Agricultural College, lectured before the Worcester County (Mass.) Horticultural Society on January 27, on the uses and abuses of commercial fertilizers.

OSMUNDA FIBRE

We offer for immediate delivery in any quantity either the Yellow or Black Fibre of the Finest Grade, suitable for Orchids.

We can also supply at once Rotted or Azalea Peat, Leaf Mold, Live or Baled Sphagnum Moss.

SAMPLES AND PRICES UPON REQUEST

C. W. BROWNELL & COMPANY, WALDEN, N. Y.

MINNESOTA STATE FLORISTS' ASSOCIATION.

At the January meeting of this association the flower show committees were asked to give their final report at the next meeting. The city with the largest guarantee fund will get the show next fall; after that the show will be held alternately in one of the Twin Cities. The entertainment committee reported that the second annual dance will be held at the Ark Auditorium on February 7th (not on the 16th as was originally intended, as the sale of tickets for this date would have been curtailed, it being in Lent).

Nagel & Son exhibited five cyclamens, which scored 88½ points. Messrs. Swanson and Nagel were elected delegates for the year to the State Agricultural Society, which has the management of the State Fair. The president of each auxiliary society is delegate according to the Constitution of the Agricultural Society. It was decided that 50 per cent. of the net profit of the flower show should go to the Minnesota State Florists' Association.

CHICAGO FLORISTS' CLUB.

Installation of officers was the main business at the regular meeting of the Chicago Florists' Club, Feb. 3rd. Geo. Asmus is again occupying the president's chair. Genial Harry Phillipot showed his devotion to the Chicago florists by coming all the way from Winnipeg to be installed vice-president, and says he expects to be here for each meeting. Louis and Ed. Winterson are respectively secretary and treasurer.

ABOUT PLANT TUBS.

Bobbink & Atkins' tub department is very busy at the present time. Most buyers realize how important it is to place their orders for tubs of special size at this season sufficiently ahead so as to be fully ready for spring use. The square model, mission finish, is especially called for this season. This style looks well associated with any kind of architecture.

The prevalent opinion in the Western New York Horticultural Society, in session at Rochester last week is that nurserymen will be able to supply but a small percentage of the young apple trees that will be demanded for planting next spring.

ORCHIDS IN BLOOM ROEHRS, Rutherford, N. J.

CATALOGUES RECEIVED.

S. S. Pennock-Meehan Co., Philadelphia, Pa.—Folder of Smith's Patent Display Vase. A specialty of distinct value for the practical florist.

O. V. Zangen, Hoboken, N. J.—Wholesale Price List of Selected Florists' Seeds, Bulbs and Plants. A very interesting and complete list. All seeds listed by oz. or tr. pkt.

Wm. Elliott & Sons, New York, N. Y.—This catalogue is always happy in the garden scenes selected to adorn its covers. This year's issue shows a pretty formal lawn picture on the front cover and a park view with lake and flower beds on the back, all in natural colors. The contents are up to the usual standard of variety and excellence.

W. Atlee Burpee & Co., Philadelphia, Pa.—Wholesale Seed List for Market Gardeners and Florists. This is the well-known "Blue List." Some very meritorious novelties will be found listed in it. Burpee's "Seeds that Grow" is also received—a Wholesale Catalogue for Seedsmen and Dealers who buy to sell again. This comes in brown covers and is known as the "Red List."

Peter Henderson & Co., New York City—"Everything for the Garden," 1910. A very handsome production as usual. The covers in dark green tints are relieved by embossed gold lettering and flowers in natural colors. The new climbing rose Dr. Van Fleet is beautifully done on the front cover and sweet peas adorn the back. There are colored inserts devoted to sweet peas, roses, etc. This is a 200-page book.

Elmer D. Smith & Co., Adrian, Mich.—Chrysanthemums and Asters. Mr. Smith has now limited his business to these two specialties and, as everybody knows, there is no better authority on what varieties to grow and how to grow them than Elmer D. Smith. The topographical finish is very fine. Half-tone portraits are given of between sixty and seventy varieties of chrysanthemums. White Helen Frick

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,
Mamaroneck, New York,

has the position of honor on the cover page.

Leonard Seed Co., Chicago, Ill.—Descriptive Catalogue, 1910. A handsome pansy plate in colors, makes an attractive cover page. The descriptions in this catalogue are unusually exact. This is S. F. Leonard's 25th year in the seed business in Chicago and the conviction on perusing the contents of this very complete descriptive list is that the house is good for 25 years more of prosperity. They have our hearty good wishes for many happy returns of the quarter centennial turn.

R. Vincent, Jr. & Sons Co., White Marsh, Md.—"Geraniums." This is more than a catalogue; it is an album. The typography and paper are of a high order and there is a number of handsome full-page portraits of Mr. Vincent's favorites, five of which are in natural colors and the others with soft tint of green background. Novelty from home and abroad are well represented in this publication and everyone interested in the zonal pelargonium should send for a copy. Wholesale prices are quoted on an insert sheet.



DREER'S DOUBLE PETUNIAS

Our **DOUBLE PETUNIAS**, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in pots, which will quickly furnish an abundance of cuttings.

Strong 3-inch pots, 75cts. per doz., \$6.00 per 100. The set of 15 for \$1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

DOUBLE, 75 cts. per 500 seeds, \$1.50 per 1000 Seeds.

SINGLE, 50 cts. per trade pkt., \$1.00 per 1-15 oz., \$1.50 per 1-8 oz.

OUR QUARTERLY WHOLESALE PRICE LIST, issued January 1st, offers a full line of seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, Philadelphia, Pa.

ASTER SEED

SMITH'S PEERLESS

The best late white Aster of the branching type. Also a fine line of the Standards in Early, Midseason and Late.

Write for Catalogue

ELMER D. SMITH & CO., ADRIAN, MICH.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ROEHRS, RUTHERFORD N. J.

LORRAINE BEGONIAS



MARTIAL BREMOND

Martial Bremond of Olloulou, France, is the largest grower of strictly first class French bulbs in existence. His clientele is composed of the most critical buyers all over the world. They are men who have bought Bremond products for many years, and know the value of his bulbs. Horse-shoe Brand Products in French bulbs are "Bremonds" and which means that they are the best the market affords, in the various sizes offered.

Write us

RALPH M. WARD & CO.
12 West Broadway
NEW YORK



REPRESENTING

MARTIAL BREMOND, Olloulou, France

Not How Cheap
But How Good

LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans,

Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River L. I., N. Y.

IRISH SHAMROCK
THE REAL THING! GREEN.

Very fine and strong; ready for immediate shipment; perfect beauties. Per 100 \$4.00, 50c. per doz. postpaid.

CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses

ROBERT CRAIG CO.
ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

JAPANESE
THE YOKOHAMA NURSERY CO. NEW YORK.
31 BARCLAY STR.
LILIES
PLANTS
BAMBOO STAKES

YOU cannot afford, if you grow Carnations and are looking for larger profits on your present capital, not to investigate Dorothy Gordon carefully before you complete your season's arrangements—for Dorothy Gordon has the other commercial Carnations excelled at every point, and it's simply a

matter of justice to yourself to give it at least a fair trial this year.

We have asked our friends to visit our plant and see it growing, and a great many have done so. Have YOU? If not, we urge you to come now, for you will certainly be convinced, as others have been, after seeing it in our houses.

Carnation Dorothy Gordon

possesses all the points that you, a progressive grower, desire in the flowers you supply your trade. Large size (3 inches or more in diameter), fine, uniform color (a shade darker than Pink Enchantress), long, stiff stems, strong constitution and excellent keeping qualities, profusion of bloom—all these are big, important qualities in favor of our new Carnation—and best of all is the fact that its buds command a price 50 per cent. higher than those of the ordinary commercial sorts.

If you want any Dorothy Gordon this year, though, you'll need to get in your reservation at once, as our stock of rooted cuttings is being taken rapidly. Orders will be filled in strict rotation at these popular prices: \$10 per 100; \$75 per 1000.

Give us a chance to show what Dorothy Gordon will do. Come to Wyncote if you can; if not, write for further particulars—we'll gladly answer questions.

JOSEPH HEACOCK COMPANY, Disseminators, Wyncote, Pennsylvania.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, \$12.00 per 100; \$100.00 per 1000
Alma Ward, 15.00 125.00

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, \$6.00 per 100; \$50.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden, \$3.50 per 100; \$30.00 per 1000.

NOW READY

New Crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons at 25c and \$1.00 per package.

CHARLES H. TOTTY, MADISON, N. J.

ROOTED CUTTINGS CARNATIONS HEALTHY STOCK

Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

ROSES

Grafted and Own Root. Have a few thousand each. Send for List.

WOOD BROTHERS
FISHKILL, N. Y.

PEONIES

Send for our list. The very choicest Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,
Richmond, Indiana.

CARNATION

Rooted cuttings, both standard varieties and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATALOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.

Blooms 3-3½ inches
Stems 24-30 "

Strong Grower.
Free From Disease.

Bon-Ami

G. E. BUXTON
Nashua, N. H.

An early, continuous bloomer.

An honest Commercial Carnation.

A new seedling White Carnation of exceptional merit as a dividend payer. Not a Gold Brick or Bunco Sort. One that will pay its Board and Lodging and present its owner with a balance on the right side of Ledger. Buy it and be convinced that Bon-Ami is all that its name stands for "A Good Friend."

Price \$10.00 per 100.

\$75.00 per 1000.

SHASTA

We are now shipping fine strong cuttings of Shasta. Orders already booked will take all we can deliver up to February 15th, but we can still accept orders for late February delivery. Send yours in at once.

BAUR & SMITH Indianapolis, Ind.

A new Carnation Seedling of wonderful merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation "The Constant" grown by Wm. Bester, of Hagerstown, Md. Color between Rose-pink and Winsor. Produces long stems and large blooms from October to June. Free of any disease and no cropper. Calyx perfect. Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years and all points guaranteed. The original seedling produced under the most scientific cultural conditions, and will supersede the Lawson. Price for Strong Cuttings, only \$10.00 per 100, \$90.00 per 1000.

C. S. FORD, Box 4515, West Park, Philadelphia, Pa.

Established 1881. Florists' Supplies, Novelties, etc.

N. B. Before buying other varieties, florists should send for sample of "The Constant" as it will compare favorably with any other carnation in the market. Blooms mailed free. Address WM. BESTER, Florist, Hagerstown, Md.

SANGAMO

New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

\$100.00 per 1000

A. C. BROWN,
Springfield, Ill.

CHICAGO CARNATION CO.
Joliet, Ill.

A New Seedling
Carnation :: ::

Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. \$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co.,

A. T. PYFER,
Manager.

Joliet, Ill.

MARY TOLMAN

A NEW LIGHT PINK
CARNATION FOR 1910

\$12.00 per 100. \$100.00 per 1000.

A. E. HUNT & CO.,
Evanston, Ill.

CHICAGO CARNATION CO.,
Joliet, Ill.

HUNT BROS.,
Park Ridge, Ill.

Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.

WINNERS

READ THEIR RECORD Pittsburg, January 26th, 1910.

S. A. F. Silver Medal for best vase of 50 not yet disseminated—MRS. C. W. WARD.

S. A. F. Bronze Medal for second best vase of 50 not yet disseminated—ALMA WARD.

Best 100 light pink—MRS. C. W. WARD.

Best 100 white—ALMA WARD.

Special Sweepstake Prize for best vase of any color—ALMA WARD.

Former Awards

MRS. C. W. WARD

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

Prices Rooted Cuttings

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000; 25 at the 100 rate, 250 at the 1000 rate.

Delivery February 20th

ALMA WARD

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashings of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter on strong, erect stems 36 to 42 inches in length.

Prices Rooted Cuttings

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery March 1st

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO., Inc.
Queens, Long Island, N. Y.

During Recess

NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

The Roof Conservatory of the Hotel Astor presented a richly brilliant scene on Wednesday evening, February 2. Seventy-five happy souls, released for the time being from all thought of business or care, were there to enjoy themselves and they succeeded. The decorations were on a scale appropriate for the occasion, the music was fine and the menu was on the Astor order, which fully tells the story of the first half.

Then came the speaking. Julius Roehrs, Jr., president of the association, set a good example for brevity in his introductory remarks, welcoming the members and guests and presenting F. L. Atkins as toastmaster. Mr. Atkins called attention to the death during the past year of three useful members of the association—John Scott, Herman Dreyer and E. V. Hallock.

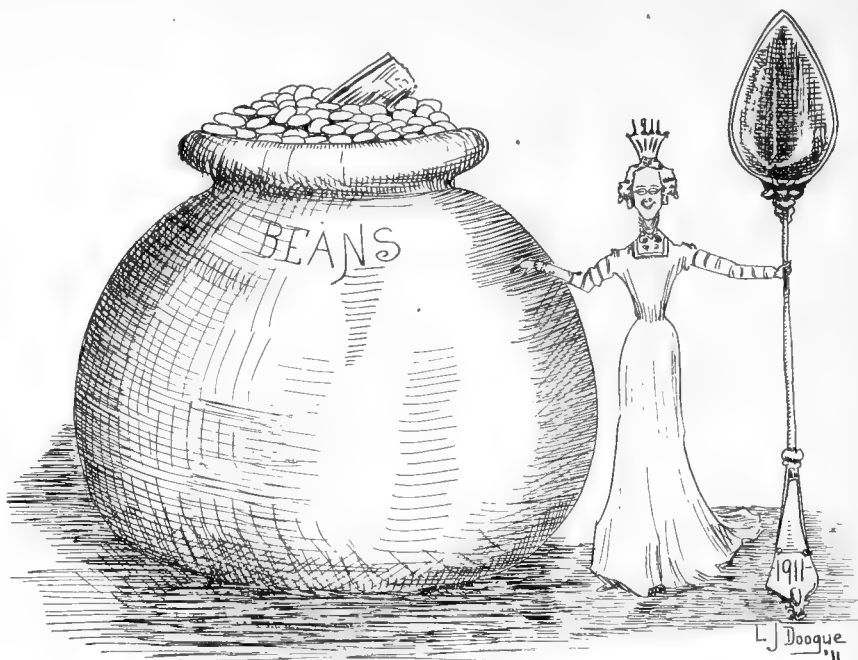
The first speaker called upon was Anton Schultheis who spoke hopefully of the plant market prospects and in advocating closer co-operative relations with the florists' clubs suggested to President Miller of the New York Florists' Club that he should at once get busy on that proposition. President Roehrs and A. L. Miller followed with brief remarks and then President F. R. Pierson of the S. A. F. was called upon. Mr. Pierson's talk was earnest in its advocacy of the social and business advantages of organization. He complimented the gathering on the hearty friendship so evident on this august occasion and the benefits which all must derive from such intercourse.

Treasurer H. C. Steinhoff came next and made a merry speech with stories well applied. John G. Esler was then called upon to locate the hail belt which he did to everybody's satisfaction and was followed by W. J. Elliott who pleaded that he had been "caught with his mits on" and was let off with a good story.

W. J. Stewart responded for Boston, called attention to some of her products, explained the uses of her crooked streets and urged all to plan to be present at the great National Flower Show next year, if not before. Messrs. Drury and Reichhaber and J. G. Whilldin of Philadelphia, spoke briefly and to the point. Louis Dupuy complimented the committee of arrangements and wanted the dinner repeated in the near future. J. H. Pepper spoke for the Press and its good influence. Louis Schmutz next made some characteristic remarks. Alex Guttman spoke in congratulatory vein and W. Siebrecht, Jr., was interesting and witty as ever. W. Siebrecht, Jr., reported for the co-operative association and then came J. Austin Shaw, who did ample justice to the toast of the Ladies.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Thursday night, January 27, was a glorious occasion for the members of this prosperous organization old and young, their wives, daughters, sweethearts and friends. It was the annual dinner and dance and the big lecture hall in Horticultural building never



Dame Boston Begins to Get Ready for 1911.

presented a more beautiful and inspiring appearance. The long white tables were simply resplendent with flowers and plants donated by members. Likewise the stage and walls. We didn't count them but there must have been close to three hundred seated at the tables, gentlemen mostly in evening dress and ladies elegantly gowned, and the dinner itself was the best thus far.

During the dinner there was orchestral music, after the dinner there was an hour and a half of speeches and song alternately and then followed the dance which lasted until midnight, after which flowers and plants became the property of the ladies.

The after-dinner exercises were opened by Vice-President Peter M. Miller in the absence of President J. W. Duncan on account of sickness. Wm. J. Stewart was introduced as toastmaster. Responses were made by Ex-President Wm. Downs on behalf of the dinner committee, J. K. M. L. Farquhar to the toast of "Boston," E. H. Wilson for "China," E. O. Orpet for "The Ladies." All the speeches were of a high order and full of wit. The news from Pittsburgh was communicated by the toast-master and the following telegram was sent amid much enthusiasm to the American Carnation Society banqueting at the same hour in Pittsburgh:

"The Gardeners' and Florists' Club at annual banquet congratulate you on successful convention. appreciate the double honor conferred and have set the beans to soak, and look forward with pleasure to 1911."

A message of sympathy to the club's beloved treasurer, Edward Hatch, in his sickness and best wishes for his speedy recovery was passed by a rising vote.

The evening's enjoyment was materially heightened by Miss Marguerite Chaffee in recitations, Miss Nellie Ferguson in fancy dancing, George Collins in comic songs and Miss Jeannie Rifford, accompanist.

The banquet committee consisted of Wm. Downs, J. K. M. L. Farquhar, Robt. Cameron, Peter Fisher and Peter

M. Miller. The reception committee was J. P. A. Guerineau, P. J. Turley, Jas. Wheeler, G. W. Butterworth, Thos. Peglar and Duncan Finlayson. For the dancing Peter M. Miller was floor director, assisted by Joseph Lawson, and J. L. Miller, Kenneth Finlayson, Frank Murray and Edward Rose as aids.

PACIFIC COAST HORTICULTURAL SOCIETY.

Sixty-five members of the Pacific Coast Horticultural Society sat down to their first annual banquet in the banquet room of the Palace, San Francisco, on the evening of January 22. V. Matrala, president of the society, acted as toastmaster. H. Plath, past president, gave a brief history of the society since its inception about eight years ago. As a member of the Society of American Florists, he said he would endeavor to have that body hold its annual convention here in 1915 at the time of the exposition. His remarks were greeted with cheers. Other speakers were: D. MacRorie, who spoke on "Orchids"; John R. Atkinson, on "Plant Life"; C. Shellgrain, on "The Retail Dealer"; A. Roosi, on "Carnations"; E. W. McLellan, on "American Beauties."

DUTCHESS COUNTY HORTICUL- TURAL SOCIETY.

The annual banquet of the Dutchess County Horticultural Society was held at the Nelson House, Poughkeepsie, N. Y., Wednesday evening, January 26. It was largely attended and was one of the most successful dinners in the history of the society, although an impromptu affair, with no set toasts.

Chicago Bowlers.

The Bowling Club of the Chicago florists is as enthusiastic as ever. The score at the last meeting was as follows:

Carnations	700	771	728
Roses	737	759	695
Violets	636	776	725
Orchids	721	734	754

==CANNAS==

F. O. B. New York or Chicago For Immediate Delivery

We are the largest handlers of Cannas in the World. Our prices upon Cannas will bear comparison with any house in the Canna business.

Stock Unequaled.

RED-FLOWERING CANNAS

	100	1000
Louisiana, height 7 ft.	\$1.75	\$15.00
Alice Roosevelt, 4 ft.	3.00	25.00
A. Bouvier, 5 ft.	1.50	14.00
Beaute Poitevine, 3½ ft.	2.00	17.50
Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
Crimson Bedder, 3 ft.	2.00	17.50
Duke of Marlborough, 4½ ft.	1.75	15.00
J. D. Eisele, 5 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00
Express, 2 to 2½ ft.	2.25	20.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00
Tarrytown, 3½ ft.	1.75	15.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
Premier, 2½ ft.	2.00	17.50
S. de A. Crozy	2.75	25.00

PINK SHADES

L. Patry, 4½ ft.	1.75	15.00
Louise, 5 ft.	2.00	17.50
Mlle. Berat, 4½ ft.	1.75	15.00
Tennyson, 5½ ft.	2.75	25.00

YELLOW SHADES

	100	1000
Buttercup, 3½ ft.	\$1.75	\$15.00
C. de Bouchard, 4½ ft.	2.00	17.50
Florence Vaughan, 5 ft.	2.50	20.00
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

WHITE AND CREAM SHADES

Alsace, 3½ ft.	1.75	15.00
---------------------	------	-------

BRONZE-LEAVED, FLOWERING CANNAS

Brandywine, 4 to 5 ft.	2.00	17.50
Black Beauty, 5 ft.	2.75	25.00
Egandale, 4 ft.	1.50	14.00
King Humbert, 4 ft.	3.25	30.00
Leonard Vaughan, 4½ ft.	1.75	15.00
Musafolia, 5 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Robusta, 6 to 8 ft.	1.75	17.50
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Allemanina, 4 to 5 ft.	1.75	16.00
Austria, 5 ft.	1.25	12.00
Italia, 4½ ft.	1.75	15.00
Kronus, 5 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00
Pennsylvania, 5 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western Agents for Our Cannas

Winterson's Seed Store

45-47-49 Wabash Ave., CHICAGO, ILL.

ARTHUR T. BODDINGTON

SEEDSMAN

342 W. 14th Street

NEW YORK

Seed Trade

Seed trade notes have been rather neglected for the past two or three weeks owing to press of other matters, but more attention will be given them in the future.

The Canners.

The Canners' Convention, as has been previously announced in HORTICULTURE, will be held at Atlantic City, N. J., February 7th to 11th, with The Rudolf as headquarters. It was stated in these columns last spring that there would be no exhibits this year by the Machinery & Supplies Association, and though several members of the organization have worked strenuously to have the Association reverse itself, they have not been successful. It is barely possible that a few of the supply men may have samples in their rooms, but anything approaching a public exhibit will not be seen this year. The few men who are now in control of the Canners' organization will probably learn that the Machinery & Supplies Association, which as these men have said, would be tolerated only during good behavior, will not be supplicants for their favor any longer, but will assert the right of an independent self-respecting body, and unless the Canners recede from their foolish and untenable position of seeking to issue orders to the Machinery & Supplies Association the latter will undoubtedly break away and hold their own convention and invite the Canners to attend. It would be unfortunate to have a break where honest co-operation could effect so much more, but up to the present time there hasn't been any co-operation, as the word implies voluntary action between two independent bodies. The machinery and supply men have had little or nothing to say about the conduct and management of their affairs, but have received their orders from the Canners, which orders have been in the main very meekly obeyed. Let us hope that a spirit of friendly co-operation may be the keynote of the next year; each organization recognizing the absolute independence of the other regarding its own management.

The Postal Deficit.

The agitation over the proposed increase in the rates on certain classes of mail matter has directed attention once again to the abuse of the franking privilege by congressmen. A recent estimate in one of the magazines, placed the cost of the franking privilege at over \$1,000,000, which, of course, is to all intents and purposes a dead loss to the post office department. When it is considered that the cost of handling the free seed distribution amounts to nearly \$300,000 alone, the estimated total of \$1,000,000 does not seem so far out of line. It is quite refreshing to note the attitude of the leading agricultural journals of the country towards the free distribution, and the following from "The Indiana Farmer" is both pertinent and interesting:

It would be well if the farmers could be heard from on the question of sending out free seeds from congressmen to the voters in their districts. Among the objections to the system is the great expense to the government for purchase of seeds, putting up, mailing, etc. There are about eight million

packages sent out annually, or some twenty thousand packages by each representative. Another objection is that the seeds are rarely of any account, and they are nothing rare or new, but such as can be bought at any grocery store. It was the intent when the law was first passed to use the amount appropriated in buying new and valuable seeds in foreign countries, which were not to be had otherwise. It was a wise and worthy purpose in that early day when our seed establishments were few and small, but is entirely unnecessary now, when anything new and good abroad is quickly picked up and propagated by our enterprising "seedsmen" and put on the market.

As to common varieties it seems much the better plan to patronize well-known and reliable firms, and thus be sure of getting the genuine, well-grown article desired, or hold the seller responsible if a mistake is made or the plant does not prove true to name and description. Do the farmers desire to have the free seed distribution system continued, is the question.

Pea and Bean Prices.

Notwithstanding the advance in contracting prices of peas and beans, growers report an exceptionally active and heavy business. Many are already finding it necessary to restrict the quantities of certain varieties which their customers would like to order, simply because they have not sufficient seed stocks to properly care for all the business offered them. This is very gratifying to the growers and shows that the advance which they have been compelled to ask is considered justifiable by both seedsmen and cannerymen. It is well that they have taken this view of the situation as it obviates a good deal of unpleasantness and friction between the growers and themselves.

Notes.

Fredonia, N. Y.—A decision against Herman J. Westwood has been returned by Justice Marcus. The man sued Harlow L. Crissy and Elton A. Cole for a share in the profits in a federal seed contract. The case has been in the courts for some time.

Shenandoah, Ia.—Field and Ratekin are feeling very jubilant over having the time extended for using their old seed packets to a time when they expect to get rid of the supply on hand. When the trouble arose between them and postmaster Deater as to the legality of their packets, such as they have always used, they at once appealed to the department at Washington. Congressman Jamieson took their case in hand and succeeded in getting the time extended for the use of these packets until July 1.

Judge McHenry of the law division of the district court on Jan. 20 directed a verdict favoring the Iowa Seed Company of Des Moines, Ia., and dismissed the case brought against it by A. A. Geil, who charged he had been injured to the extent of \$1,175 by the failure of the seed company to give him the kind of seed he ordered, as noted in these columns last week. Geil purchased one kind of clover seed and the company gave him another. He alleged that by reason of the mistake he lost the value of the entire crop, the use of ten acres of land and his time in plowing and tilling the field.

FRENCH BULB PRICES.

Reports from France indicate that prices on French bulbs will undoubtedly be much higher this year. Mar-

—GREEN— Cane Stakes For Your Lilies

6 to 8 ft., \$7.00 per 1000

WM. ELLIOTT & SONS,
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SEED for Sale of our Unique Chrysanthemum Type Variety, bred up the past eight years to a high standard capable of producing its entire bloom perfect, that is to say, free from yellow centers, and also ward off all the diseases so prevalent in all the eastern states, viz., stem, foot, rot, yellows, blight, etc., and produce its bloom stems of a stiff wiry nature from 38 to 44 inches in length, with flowers 4% to 5% inches in diameter, thus enabling the grower to market the cut flowers in cities 2000 miles distant with out deterioration. Seed of this Aster, Lady Roosevelt, by name, is only obtainable from me direct. Write for price of seed and further information. Address—

The Scientific Intense Culture Ranch, Salem, Oregon
Formerly of Elmhurst, Ill. Dep. A.

NEW CROP FLOWER AND VEGETABLE SEEDS FOR FORCING

Asters, Salvias, Vincas, Verbenas, Stocks and Petunias, Tomato "The Don," Onion "Ailsa Craig," Mushroom Spawn—English and Pure Culture. Special prices and catalogue on application.

Seed Merchants & Growers
Weeber & Don, 114 Chambers Street, NEW YORK

Peas and Beans

If you want our growing prices for Crop 1910 please let us know.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

tial Bremond writes under date of Jan. 24th, that the crop is very bad and the farmers expect high prices for their products. Of course, no definite prices have been quoted yet, but there is no doubt that Roman hyacinths especially will be higher and Paper Whites also. Recent reports from other growers all indicate the same conditions.

PATENTS GRANTED.

- 947,455. Combined Cultivating and Insect-Destroying Machine. Joseph Peil, Bloomer, Wis.
- 947,519. Plant Protector. Alexander G. McAdie, San Francisco, Cal.
- 947,711. Pipe Coupling. Joseph E. Costa, Downey, Cal.

RELIABLE ASTER SEEDS

INVINCIBLE. A superior strain of great value to the florist for cutting; plants of branching habit; flowers of large size and perfectly double.

	Trade Pkt.	Oz.
235 Blue	\$0 30	\$1 50
236 Crimson	30	1 50
237 Lavender	30	1 50
238 Rose Pink	30	1 50
239 White	30	1 50
239A Mixed	30	1 25

IMPROVED SEMPLE'S BRANCHING (Michell's).

An improved Strain which has been obtained by years of careful selection.

	Trade Pkt.	Oz.
257 Lavender	\$0 40	\$1 50
258 Rose Pink	40	1 50
259 Shell Pink	40	1 50
260 Purple	40	1 50
261 Crimson	40	1 50
262 White	40	1 50
263 Choice Mixed	40	1 50

QUEEN OF THE MARKET (Extra Early). A well-known and desirable florists' variety.

	Trade Pkt.	Oz.
275 Dark Blue	\$0 20	\$0 60
278 Crimson	20	60
276 Light Blue	20	60
274 Rose Pink	20	60
277 Blush Pink	20	60
279 White	20	60
280 Mixed	20	60

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Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts \$1.25.....	Oz. Tr. Pkts	.25
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Phlox dwarf Fireball.....	2.50	.35
" " Roseball.....	2.00	.3
" " Snowball.....	3.00	.40
" " Cecily, all shades mixed	2.50	.35
Salvia Zangen's Fireball, fine for pots, early.....	4.00	.50
Salvia Zangen's King of Scarlets late	10.00	.50
" " Zurich, earliest dwarf	8.00	.50

For Other Seeds See My New Catalogue. IT'S FREE.

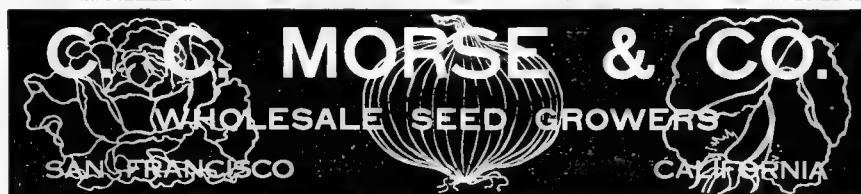
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BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS **Get Our Prices** 79 and 81 E. K'NZIE STREET, CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

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CAULIFLOWERS CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

BERMUDA LILIES

Harrisii and Longiflorum. Selected. Lillum Longiflorum Giganteum C. S. by the case of 300.

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For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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178 Washington St, Boston, Mass.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 1910 next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

SEED FOR FLORISTS

TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc. Trade list for Florists and Dealers only.

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26 & 27 So. Market St., BOSTON, MASS.

CABBAGE PARSLEY LETTUCE

Wakefield and Succession. \$1.00 per 1000. \$8.50 per 10,000. 25 cts. per 100. \$1.25 per 1000.

Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.

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Burpee's Seeds

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Blue List of Wholesale Prices mailed only to those who plant for profit.



Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c. oz. \$4.00.

Pure White. Tr. pkt. 50c. oz. \$5.00. Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
Boston, Mass.

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JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
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Coates House Conservatory

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Both 'Phones 2670 Main.



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Delivered on mail or telegraph order for
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WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

The long-contested protest of H. Bayersdorfer & Co. against the assessment of duty by the collector at the port of Philadelphia on certain imported goods for florists' use has been finally decided after appeals by the importer and by the Government. As it will no doubt serve as a precedent for many future cases of a similar nature, we give a synopsis of the decision as recorded by the Secretary of the Treasury:

(T. D. 30277.)

Ornamental leaves.

United States v. Bayersdorfer.
Bayersdorfer v. United States.

U. S. Circuit Court of Appeals, Third Circuit. November 29, 1909. Nos. 17-8 (suit 1974).

1. Ornamental Leaves—Dyed Grasses—Bleached Grasses.

Grasses bleached or dyed, that are intended for ornamental or decorative purposes, are classifiable as "ornamental * * * leaves * * * not specially provided for," under paragraph 425, tariff act of 1897, rather than under paragraph 566 ("grasses * * * not

STEAMER DEPARTURES

Atlantic Transport.

Minnewaska, N. Y.-London...Feb. 12

Cunard.

Ivernia, Boston-Liverpool....Feb. 8

Mauretania, N. Y.-Liverpool...Feb. 9

Pannonia, N. Y.-Med't'n....Feb. 12

French.

La Savoie, N. Y.-Havre.....Feb. 10

Hamburg-American.

Amerika, N. Y.-Hamburg....Feb. 12

North German Lloyd.

K. Wilhelm d' Grosse, N.Y-Bn.Feb. 8

Koenig Albert, N. Y.-Med....Feb. 12

Red Star.

Vaderland, N. Y.-Antwerp....Feb. 9

White Star.

Adriatic, N. Y.-S'hampton....Feb. 12

Canopic, Boston-Med't'n.....Feb. 12

dressed or manufactured"), or under paragraph 449 as "manufacturers' of grass.

2. Same—Prepared Palm Leaves—Palms Preserved.

Palm leaves that have been subjected to a process of painting, etc., to give them their natural appearance and to prevent decomposition, are dutiable as "ornamental * * * leaves * * * not specially provided for," under paragraph 425, tariff act of 1897, rather than as "palms, preserved * * * suitable for decorative purposes."

3. Same—Wreaths and Crosses Mounted on Wire—Articles in Part of Metal.

Wreaths and crosses mounted on wire frames are dutiable as "ornamental * * * leaves * * * not specially provided for," under paragraph 425, tariff act of 1897, rather than as articles in part of metal under paragraph 193.

Paragraph 425 provides for a duty of 50 per centum ad valorem.

Wilmington, Del.—The florist business of the late John J. Kuratle is to be continued by Mrs. Kuratle.

ALEX. McCONNELL

671 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to
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ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

**Choice Flowers and
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FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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EDWARD MACMULKIN
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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

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124 Tremont St., Boston

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121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

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FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER
CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

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Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. **LEUCOTHOE** SPRAYS, 75c, 100. **GREEN SHEET** MOSS, \$2.00 large bag.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
specially adapted for florists' use.

Books Balanced and Adjusted
Merchants Bank Building

28 STATE STREET, - BOSTON
Telephone, Main 56.

In ordering goods please add "I saw
it in HORTICULTURE."

PERSONAL.

T. Mellstrom, representing F. Sander & Son, sailed from New York on the Oceanic, Saturday, January 29.

E. B. Jennings, florist, Southport, Conn., has been stricken with hemorrhages. At last accounts he was improving.

C. W. Scott, manager of Vaughan's Seed Store, New York, was called to Grand Rapids, Wis., last Saturday by the death of his father.

Visitors in New York: Carl C. Cropp, Chicago, Ill.; W. L. Rock, Kansas City, Mo.; Mr. and Mrs. Pettie of the J. M. Gasser Co., Cleveland, Ohio.

Julius Roehrs, Sr., sailed from New York on Monday, January 24, for Trinidad. He will spend the rest of the winter in Caracas, Venezuela, in company of Mr. Sades, the orchid collector. As Caracas has a swell German club, Mr. Roehrs will not be lonesome.

Chas. Loechner, in his sixth week at the Norwegian Hospital in Brooklyn, N. Y., with a broken leg, is getting along nicely and his ever cheerful temperament is no doubt a potent factor towards his rapid recovery. A host of friends will be glad to see him out again in the near future.

MCKINLEY DAY IN BUFFALO.

Never in Buffalo has there been such a general wearing of carnations as on Saturday, January 29th. Men in all walks of life have pinned the spicy flowers to their coats and worn them in commemoration of the President who was murdered in this city. In every street car, in all of the hotels, on street corners, and in the gathering places of men, generally, the favorite flower of the martyred President was worn on that day with a tender recollection. Thousands of flowers were sold and by thousands of men the name of William McKinley was spoken with reverence and solemnity.

BUSINESS CHANGES.

Niles Centre, Ill.—Heinz & Houpt succeed Albert Furmana here. They have six rose houses.

South Bend, Ind.—The downtown store and the greenhouses of the South Bend Floral Company have been purchased by Adelbert and Charles Kinyon, florists. They have taken over the entire business, making the deal through C. E. Campbell, receiver of the South Bend Floral Company. The purchase price is \$10,000. They have secured about an acre of ground on which the houses stand, but the receiver still has 15 building lots to dispose of as a part of the company's property.

NEWS NOTES.

Springfield, Ill.—Thomas Cale, a nurseryman, has been arrested for violation of the law prohibiting sale of diseased nursery stock.

Muncy, Pa.—John P. Ring, formerly with Evenden Bros. at Williamsport, Pa., has bought the property recently owned by A. B. Herbst & Son and will conduct a general florist and seed business.

THE BEST LETTERS

FOR
FLORISTS'
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply
dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always
in Stock

Galax and Leucothoe

Quality, Packing and Price All Right.
Wholesale Only.

Send for Quotations.

J. L. BANNER, MONTEZUMA
N. C.

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Leading Retail Florists Listed by
Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New Orleans, La.—Chas. Eble, 121 Baronne St.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

NEW FLOWER STORES.

Portland, Me.—N. T. Hanaford, Portland street.

Pittsfield, Mass.—The Flower Shop, Agri. Nat'l Bank building.

E. Bridgeport, Conn.—Mrs. L. G. Mills, 1124 E. Main street.

Spokane, Wash.—The Rose Floral Co., 420 Riverside avenue, Frank F. Monahan and J. Vollman, mgrs.

ACACIA PUBESCENS

The choicest novelty—Yellow Flowers and foliage equally pleasing, in skilful hands will produce most beautiful effects. We are offering the choicest quality and the largest supply in the country.

PRICE, \$2.50 per BUNCH

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want to find a market for your product

want a regular or special supply of the product of the best growers

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AND DAGGER FERNS, Extra Quality.

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MANUFACTURERS
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Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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WHOLESALE

CUT FLOWERS
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45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

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33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Feb. 1	TWIN CITIES Feb. 1	PHILA. Feb. 1	BOSTON Feb. 3
ROSES				
Am. Beauty, Fancy and Special...	30.00 to 40.00	35.00 to 45.00	60.00 to 75.00	50.00 to 60.00
Extra	25.00 to 30.00	20.00 to 35.00	40.00 to 50.00	20.00 to 35.00
No. 1	15.00 to 20.00	15.00 to 20.00	20.00 to 30.00	10.00 to 20.00
Lower grades	10.00 to 15.00	8.00 to 15.00	8.00 to 15.00	3.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.	12.00 to 15.00	8.00 to 12.00	8.00 to 12.00	8.00 to 12.00
Lower grades	6.00 to 10.00	6.00 to 8.00	5.00 to 8.00	2.00 to 6.00
Killarney, Fan, & Sp.	12.00 to 18.00	8.00 to 15.00	15.00 to 20.00	15.00 to 20.00
Lower grades	6.00 to 10.00	6.00 to 8.00	5.00 to 10.00	2.00 to 12.00
Richmond, Fancy & Special	12.00 to 15.00	8.00 to 15.00	15.00 to 20.00	10.00 to 20.00
Lower grades	8.00 to 10.00	6.00 to 8.00	5.00 to 10.00	2.00 to 12.00
My Maryland	5.00 to 12.00	6.00 to 12.00	6.00 to 15.00	2.00 to 16.00
CARNATIONS, Nov. and Fan.				
Ordinary	3.00 to 5.00	3.00 to 5.00	3.00 to 4.00	3.00 to 4.00
.....	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 3.00
MISCELLANEOUS				
Cattleyas	40.00 to 60.00	40.00 to 50.00	50.00 to 60.00	..... to 50.00
Lilies	10.00 to 15.00	12.50 to 15.00	12.00 to 15.00	12.00 to 15.00
Lily of the Valley	3.00 to 5.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets .....	.75 to 1.00	1.00 to 1.50	.50 to 1.00	.40 to .60
Mignonette	6.00 to 8.00	4.00 to 6.00	3.00 to 4.00	2.00 to 4.00
Sweet Peas .....	.75 to 1.50	1.00 to 1.25	.50 to 1.00	.75 to 1.00
Roman Hy. Paper Whites	3.00 to 4.00	2.50 to 3.00	2.00 to 3.00	1.00 to 2.00
Trumpet Narcis	3.00 to 4.00	3.00 to 3.50	4.00 to 5.00	1.00 to 3.00
Tulips .....	.....	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Gardenias	15.00 to 25.00	25.00 to 35.00	18.00 to 30.00	25.00 to 30.00
Adiantum	1.00 to 1.25	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 15.00	15.00 to 20.00	12.00 to 16.00
Asparagus Plumosus, strings (100) ..	50.00 to 60.00	35.00 to 50.00	..... to 50.00	..... to 50.00
" & Spreng. (100 bchs.) ..	30.00 to 50.00	25.00 to 35.00 to 50.00 to 50.00

The J. M. McCullough's Sons Co.

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Send for New Catalogue

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In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

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HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD,
CHICAGO, ILL. FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. Roses and Carnations Our Specialty.

Flower Market Reports

BOSTON The tendency is toward larger supplies in most lines with a weaker demand for about everything except white carnations, which are moving freely at advanced prices, and small roses suited for general work. The gilt-edged roses are not selling as they should, date considered. There are some Beauties of good quality coming in now, but no sensational call has been noted. Violets are plentiful, but demand is slow. Lilacs are disposed to accumulate and lily of the valley is not selling as well as it did hitherto. La Reine tulips are fairly good as to flower, but deficient in foliage. Narcissi double and single are in full supply. Gardenia demand has flattened out.

Trade has been quite active the past week, though stock on most lines is in short supply. This applies to roses of the short and medium grades used for floral work, etc., while long-stemmed stock is more plentiful. There has been a better call for Beauties and the medium grade sold best, prices holding firm. The demand is a little weak on lily of the valley, violets and lillies. Peas, mignonette, daffodils, tulips, narcissi and other spring flowers were in good demand. The first part of the week found carnations a little scarce, but plenty were to be had on Friday and Saturday, and McKinley day falling on Saturday took a good portion of the heavy shipments that had been held for a day or so. In the carnation line White Perfection is the leader in white and excellent quality stock is being reserved: Enchantress is holding its own, Beacon is very fine and White Lawson good; Melody and Ideal in heavy demand. Lawson and Red Lawson are grown extensively in this section, but seem to remain the longest with the wholesaler. Southern Smilax and other greens have had a good demand, save smilax which has been a little too plentiful.

The condition of the Chicago market cannot be said to have undergone any change during the past week. The buyers who have been in the habit of picking up an armful of flowers for a dollar gave up the attempt some time ago. Only those who have orders waiting to be filled, or who know their trade will pay the price, visit the wholesalers these days. The man who is just looking round and thinks he will buy if he finds something cheap is conspicuously absent. Some of the wholesale houses are taking this opportunity to brush up a little and put things in shape for the business coming with the sunshine. The growers report quantities of buds ready to burst and any day the conditions may change. Tuesday, February 1st, not a white carnation could be bought for less than four cents, but one man with years of experience predicts that before the end of the week the counters will all be filled. The great amount of funeral work continues and the demand for white flowers is not lessened. Rooted cuttings of roses and carnations are also coming on slowly and that the amount will be considerably diminished this season, is the prediction.

(Reports continued on page 205)



Luxury and Exclusiveness In Florists' Ribbons

ARE demonstrated in our new color combinations for VIOLETS, ORCHIDS and ROSES. Some of the loveliest and most changeable shades ever created.

In effective originality these ribbons have no equal for corsage work. One of the most popular patterns is "SUPREME" remarkable for its chameleon like shadings, producing a very rich and beautiful effect.

We offer the following colors:—

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|----------------------------------|-------|-----|
| 1. Violet shaded with green..... | No. 7 | 65c |
| 2. Green shaded with violet..... | | |
| 3. Light Cattleya shaded..... | No. 9 | 85c |
| 4. Dark Cattleya shaded..... | | |

PATTERN KILLARNEY has been and is still one of our best sellers, almost every florist in the United States and Canada having bought from us, ordering again and again.

No. 16 width.....\$1.15
No. 22 width.....1.35

PATTERN MY MARYLAND (same quality as Killarney) another new shade this season is proving equally attractive. Quality and finish the best our manufacturer can produce.

PRICES: No. 7.....\$0.65
" 60.....2.35

No. 40.....\$1.65
" 100.....2.65

PATTERN ORCHID an extra quality satin taffeta as delicate and beautiful shades as any of our many exclusive patterns. Colors:—Orchid, Violet and White.

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1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Feb. 1		Feb. 1		Feb. 1		Feb. 1	
ROSES								
Am. Beauty, Fan, and Sp.....	30.00	to 40.00	1 0.00	to 25.00	40.00	to 50.00	40 00	to 50.00
“ Extra.....	20.00	to 25.00	20.00	to 30.00	20.00	to 30.00	25.00	to 35.00
“ No. 1.....	10.00	to 15.00	6.00	to 9.00	10.00	to 15.00	15 00	to 20.00
“ Lower grades.....	10.00	to 15.00	4.00	to 6.00	6.00	to 8.00	6.00	to 10.00
Bride, 'Maid, Chatenay, F. & S.....	8.00	to 10.00	10.00	to 15.00	10.00	to 15.00	8.00	to 12.00
“ Low. gr.....	4.00	to 6.00	6.00	to 10.00	4.00	to 8.00	4.00	to 5.00
Killarney, Fan, & Sp.....	6.00	to 10.00	10.00	to 15.00	10.00	to 15.00	8.00	to 15.00
“ Lower grades.....	4.00	to 6.00	6.00	to 10.00	4.00	to 10.00	.....	to 6.00
Richmond, Fancy & Special.....	6.00	to 10.00	10.00	to 15.00	12.00	to 15.00	8.00	to 15.00
“ Lower grades.....	4.00	to 6.00	6.00	to 10.00	6.00	to 12.00	.....	to 6.00
My Maryland.....	.....	to	6.00	to 12.00	8.00	to 15.00	6.00	to 10.00
CARNATIONS, Novelties and Fancy								
“ Ordinary.....	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	3.00	to 4.00
“	2.00	to	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	.....	to .....	.....	to	50.00	to 75.00	60.00	to 75.00
Lilies.....	10.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.00	to 15.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	4.00	to 5.00	2.00	to 4.00
Violets.....	.50	to 1.00	.75	to 1.00	.75	to 1.00	.50	to 1.00
Mignonette.....	3.00	to 6.00	10.00	to 1.00	3.00	to 5.00	2.00	to 4.00
Sweet Peas.....	.75	to 1.00	1.00	to 1.50	.50	to 1.00	.50	to 1.00
Roman Hy. Paper Whites.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Trumpet Narcis.....	3.00	to 4.00	4.00	to	3.00	to 4.00	3.00	to 4.00
Tulips.....	3.00	to 4.00	.....	to	3.00	to 4.00	3.00	to 4.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	1.00	to	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	2.00	to	3.00	to 5.00	25.00	to 50.00	35.00	to 50.00
“ “ & Sprgn (100 bchs.)	25.00	to	3.00	to 5.00	25.00	to 50.00	35.00	to 50.00

Prices Quoted in these Columns are for Dealers Only.
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CUT FLOWERS
 Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Jan. 29 1910		First Half of Week beginning Jan. 31 1910	
American Beauty, Fancy and Special.....	50.00	to 60.00	40.00	to 60.00
" " Extra.....	15.00	to 30.00	25.00	to 35.00
" " No. 1.....	10.00	to 15.00	12.00	to 20.00
" " Lower Grades.....	2.00	to 5.00	4.00	to 8.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	6.00	to 10.00	10.00	to 15.00
" " Lower Grades.....	3.00	to 5.00	4.00	to 8.00
Killarney, Fancy and Special.....	6.00	to 15.00	12.00	to 20.00
" " Lower Grades.....	3.00	to 5.00	4.00	to 8.00
Richmond, Fancy and Special.....	8.00	to 20.00	12.00	to 20.00
" " Lower Grades.....	3.00	to 6.00	4.00	to 8.00
My Maryland.....	3.00	to 15.00	4.00	to 20.00
Carnations, Fancy and Novelties.....	3.00	to 6.00	4.00	to 6.00
" Ordinary.....	1.50	to 4.00	2.00	to 3.00

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were the first to introduce the

MEYER GREEN SILKLINE

which will not rot or fade while strung up in Green Houses. It is also used for tying bouquets and general Florists' use.

The MEYER VIOLET THREAD

for tying Violets.

Price of both \$1.25 per lb.
16 oz. of actual Thread per lb.

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Hardy Fancy Fern Our Specialty

88-40 BROADWAY, DETROIT, MICH.

Wired Toothpicks

Manufactured by

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10,000....\$1.75; 50,000....\$7.50. Sample free.

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KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

Flower Market Reports.

(Continued from page 203)

Business is moving along briskly. Bulbous stock is coming in freely and disposed of in like manner. Roses are very scarce at present; several growers being off crop and an increased demand for school commencements are the principal causes. Prices for this article have consequently advanced very much. Violets, on the other hand, have declined. The automobile show was no money maker for the florist, still we do not complain, because many a banquet during the year as well as liberal buying by their officers and stockholders, fully covers this apparent deficiency.

NEW YORK Last week saw some good seasonal business in the wholesale flower section, but at present writing conditions are not so lively. Even last week's activity was due more to light supply of flowers than to augmented demand, and it is quite evident that the florist trade as a whole for the winter season of 1909-10 will not measure up to the proportions predicted by sanguine operators early in the season. As to quality, nothing but praise is due most of the stock being received. Roses are and will be for some time at their best. Daffodils, double and single, and tulips in various colors are very plentiful and improving in quality from day to day. Single violets are more in evidence than ever before in this market and are rapidly gaining on the doubles in popularity, as they should. Orchids are in very light supply.

PHILADELPHIA. There was very little change in the conditions of this market last week. On the whole the improved situation was maintained, and prices generally remained firm. Towards end of week there was considerable doing in carnations—the McKinley Day celebration helping out quite some. Roses

WILLIAM F. KASTING CO.

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106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Jan. 29 1910		First Half of Week beginning Jan 31 1910	
Cattleyas	\$5.00	to 50.00	35.00	to 60.00
Lilies	8.00	to 12.00	8.00	to 10.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Narcis, Paper White	1.00	to 2.00	1.50	to 2.00
Trumpet Narcis	2.00	to 4.00	3.00	to 5.00
Tulips	1.00	to 3.00	1.00	to 3.00
Violets.....	.30	to .75	.30	to .50
Nigronette	2.00	to 6.00	2.00	to 6.00
Sweet Peas (per 100 bchs)	4.00	to 10.00	6.00	to 12.00
Gardenias	5.00	to 30.00	5.00	to 30.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings	20.00	to 25.00	20.00	to 30.00
" & Spreu. (100 bchs)	20.00	to 30.00	20.00	to 35.00

are a little more plentiful and generally good. Some extra fine Killarneys have been coming in. American Beauties are a trifle more plentiful but are still scarce and high in price. white roses are where they are. Lily ply. White tulips are now plentiful and these help to see the retailers through in their design work while white roses are what they are. Lily of the valley has been a little sluggish. Violets are more plentiful and showing marked activity as compared with early part of the season. Gardenia prices are still low but the stock cleans up well. Both local and out of town demand for orchids about per-

Acacia, freesia, daisies, daffodils, nigronette and other spring flowers selling well. Sweet peas much improved.

McKinley day beat the record this year. There has never before been such a demand for carnations. But not only Carnation day, but the whole week was a very good one for wholesalers as well as retailers. Roses are still mighty scarce. Violets are coming in a little better, but still not enough to supply the demand. Daffodil and tulips are just beginning to come in, but so far are rather below grade.

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Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000 \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, G. F. Nepp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

Asparagus Pl. Nanus clumps, strong, \$6.00 per 100. Seeds \$2.00 per lb. P. Mack, Orlando, Fla.

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Bamboo Sticks, Colored Green.
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2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for List. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BUILDING MATERIAL of all description for All Cypress, Semi-Iron. Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Dutch and French Bulbs.
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500,000 Cannas, 100 leading kinds, home grown, \$8.00 per 1000 and more. Price list free. Shellroad Green houses, Grange, Baltimore, Md.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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J. J. Cockcroft, Northport, L. I., N. Y.
Rooted Cuttings.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Elmer D. Smith & Co., Adrian, Mich.

2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracena indivisa in 3½ and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H. N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Atco, N. J.
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J. L. Moore, Northboro, Mass.
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Jantzen & Hoebel, Hicksville, N. Y.

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias, good, strong division; all named varieties, \$1.75 per 100. C. W. Hoffman, Route 13, Dayton, Ohio.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St., Nurseries, Roslindale, Mass.
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Joseph Heacock Co., Wyncote, Pa.
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Godfrey Aschmann, Philadelphia.

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George A. Kuhl, Pekin, Ill.

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H. H. Barrows & Son, Whitman, Mass.

Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street,

Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.

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Julius Roehrs Co., Rutherford, N. J.

Farleyense.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson, Tarrytown-on-Hudson, N. Y.

Select Ferns.

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Anderson's ferns for in and outdoors.

Largest commercial collection in the country.

Ask for descriptive catalogue. J. F.

Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock

Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.

Evergreen Brand Fertilizer.

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FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St.,

Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brook-

lyn, N. Y.

Immortelle Letters.

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Boston.

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H. M. Robinson & Co., 15 Province St. and

9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St.,

Philadelphia.

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Rosens, 48 West 29th St., New York City.

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A. H. Hews & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,

mailed to your address for 55 cents by

Horticulture Publishing Co., 11 Hamilton

Place, Boston.

GALAX

Michigan Cut Flower Co., 88 and 40 Broad

way, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis,

Minn.

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J. L. Banner, Montezuma, N. C.

Galax and Leucothoe.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,

Md.

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Geraniums, S. A. Nutt, Beauty Poltevine,

Madame Barney, Buchner, from field, 5c.

each; rooted cuttings, \$9.00 per 1000; un-

rooted, \$5.00 per 1000. Carl Dornbrer,

6417 Carnegie Ave., Cleveland, O.

Thousands of Geraniums, mixed, all

double. 2½-in. \$2.50 per 100, 3-in. \$4.00

per 100. Mixed double Petunias, \$2.50 per

100, out of 2½-in. H. J. Blanchard, Ash-

burnham, Mass.

GLADIOLI

E. S. Miller, Wading River, N. Y.

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Arthur Cowee, Berlin, N. Y.

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Jantzen & Hoebel, Hicksville, N. Y.

Thomas J. Oberlin, Sinking Spring, Pa.

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Gladioli, Independence, the best red in

the market; also Mrs. Frances King, Giant

Pink, Augusta and Groff's hybrids, genuine

stock. Write for prices. Geo. S. Wood-

ruff, Independence, Iowa.

GLADIOLI—Best sorts, extra mixtures,

all sizes. C. Betscher, Canal Dover, O.

Gladioli. Send for list. Kirchhoff's,

Pembroke, N. Y.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 28-30 Sudbury

St., Boston.

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Sharp, Partridge & Co., 22d & Lumber Sts.,

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Parshelsky Bros., Inc., 59 Montrose Ave.,

Brooklyn, N. Y.

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Metropolitan Material Co., 1892-1402 Metro-

politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-

ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-

house Glass. Lord & Burnham, 1133 Broad-

way, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham.

Special Glazing Nails (Points). Lord &

Burnham, 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,

1133 Broadway, New York.

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A. T. Stearns Lumber Co., Neponset,

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King Construction Co., N. Tonawanda,

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Hitchings & Co., 1170 Broadway, New York.

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J. C. Moninger Co., 117 East Blackhawk

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Pecky Cypress for Benches.

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F. Jacobs & Sons, 1859-63 Flushing Ave.,

Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-

Iron Greenhouse, New Truss Houses and

Iron Frame Houses. Lord & Burnham,

1133 Broadway, N. Y.

Foley Mfg. Co., Western Ave., between

25th & 26th Sts., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GREENHOUSE HOSE

S. S. Pennock-Meehan Co., Philadelphia, Pa.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.

Improved V Shaped Gutter with drip

gutter attachment. Lord & Burnham, 1133

Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

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Michigan Cut Flower Exchange,

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Rice Bros., 115 N. 6th St., Minneapolis,

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1133 Broadway, New York.

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HOSE

Henry A. Dreer, Philadelphia, Pa.

Garden Hose.

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HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset,

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

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Foley Mfg. Co., Western Ave., between

25th & 26th Sts., Chicago.

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In writing to Advertisers kindly mention Horticulture

INSECTICIDES.

Nicotie kills all greenhouse pests.
P. R. Paethorpe Co.,
Eleventh St., Owensboro, Ky.
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Stump & Walter Co., 50 Barclay St.,
New York.
Kiln-dried Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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Tobacco Powder.
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IRIS

M. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
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KALMIAS

Eastern Nurseries, Jamaica Plain, Mass.
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KENTIAS

A. Leuthy & Co., Roslindale, Mass.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.
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LILIES

E. S. Miller, Wading River, N. Y.
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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstræde
20, Copenhagen, Denmark.
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MATS

Mats for hotbeds and coldframes. Not
only the most practical but the cheapest on
the market. Send for circular. J. F.
Watts, Kermoor, Pa.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NURSERY STOCK

P. Ouwerkerk, 218 Jane St., Weehawken
Heights, N. J.
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Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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Berrydale Experiment Gardens, Holland,
Mich.

New Berry Plants.
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German Nurseries and Seed House,
Beatrice, Neb.
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Eastern Nurseries, Jamaica Plain, Mass.
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J. G. Harrison & Sons, Berlin, Md.

F. W. Kelsey Nursery Co., New York, N. Y.

NURSERY STOCK—Continued

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
ELLWANGER & BARRY, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordones Bros., Madison, N. J., Box 106.
C. Lablata: D. Bigibum Arrived.
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Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
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Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price, \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham, 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Home-Grown Palms.
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Julius Roehrs Co., Rutherford, N. J.
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PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

Henry A. Dreer, Philadelphia, Pa.
Double Petunias.
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PHOENIX ROEBELINI SEED

Sander, Bruges, Belgium.
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**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. R. Dow, 178 Washington St., Boston
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PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Deane Co., 18 Midway St., Boston.
Boston.

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Metropolitan Material Co., 1303-1403 Met-
ropolitan Ave., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trol-
lies. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

American Wooden Ware Mfg. Co., 300-75
So. Erie St., Toledo, O.

Henry A. Dreer, Philadelphia, Pa.

POT HANGERS

Pot hangers, Kramer's, \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Son, Cedar
Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 3
inch, 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch 2c.; Ob-
conica gigantea, mixed, 2 inch 2½c. J. L.
Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work,
lowest prices. Samples for stamp. O.
Fink, Pottstown, Pa.

PRIVET**CALIFORNIA PRIVET.**

500,000 3-yr. plants with 12 to 20
branches, have been transplanted once and
cut back 2 yr., \$4.00 per 100; \$37.50 per
1000, packed. Will make a good, close
hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10
to 12 branches, cut back 1 yr., \$3.00 per
100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched,
\$2.00 per 100; \$17.50 per 1000, packed.
500 to 1000 rate. Cash with order.

John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Eastern Nurseries, Jamaica Plain, Mass.
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New Seedling Rose "Radiance."

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R. & J. Farquhar & Co., Boston, Mass.

Rose "Flower of Fairfield" Ever-Blooming

Crimson Rambler.

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Wood Bros., Fishkill, N. Y.

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The Rose, by H. B. Ellwanger; mailed
for \$1.50 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
year address for 25c. by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

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SEED GROWERS

- Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstræde 20, Copenhagen, Denmark.
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- C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.
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- Alfred J. Brown Seed Co., Grand Rapids, Mich.
Peas and Beans, Contract Growing.
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- Arthur T. Boddington, 842 W. 14th St., New York.
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- R. & J. Farquhar & Co., 6-7 So. Market St., Boston.
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- J. M. Thorburn & Co., 38 Barclay St., N. Y.
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- Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.
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- Schlegel & Fottler Co., 26 & 27 So. Market St., Boston.
True Irish Shamrock Seed.
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Seeds for Plantmen, Nurserymen, Seedmen.
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Winter Flowering Sweet Peas.
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- C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.
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Reliable Seeds.
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- H. E. Fiske Seed Co., Boston.
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- Wm. Elliott & Sons, New York.
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Aster Seed. Not wonderful, but fresh, reliable seed of all the finest florists' varieties. Send for list. Lady Roosevelt \$4.00 per oz. R. E. Huntington, Painesville, O.

SILKALINE

- John C. Meyer & Co., Boston, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREA

- Joseph Breck & Sons, Corp., Boston.
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SPRAYERS

- Chas. J. Jager Co., Boston.
Deming Spray Pump.
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- H. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.
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STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

SULFOCID

- B. G. Pratt Co., New York, N. Y.
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SWEET PEAS

- A. T. Boddington, 342 W. 14th St., New York, N. Y.
Quality Sweet Peas.
- A. C. Zvolanek, Round Brook, N. J.
Winter Flowering.
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TEMPERATURE ALARMS

- National Clock & Electric Mfg. Co.,
St. Louis, Mo.
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THYME

Thymus citridorus aureus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild plant Improvement Gardens, Santa Ana, Cal.

TRITOMAS

Tritoma Pfitzerii, red hot poker plant, \$6.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

- R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
For page see List of Advertisers.
- Wanted—Contracts to grow all kinds of vegetable plants, transplanted or not; also geraniums, coleus, cannas, salvias, verbenas, pansies, etc., for spring delivery. A-1 stock only. Correspondence solicited. Alonza J. Bryan, Florist and Truckee, Washington, New Jersey.

VENTILATING APPARATUS

- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
- The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1123 Broadway, N. Y.

VIOLETS.

Violets, rooted runners, Campbell, California, \$1.00 per 100. John A. Burns, Frankford Ave., Holmesburg, Phila, Pa.

WILD SMILAX

- E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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WHITE PINE

- Eastern Nurseries, Jamaica Plain, Mass.
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WIRED TOOTHPICKS

- W. J. Cowee, Berlin, N. Y.
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WIREWOK

- Reed & Keller, 122 W. 25th St., N. Y.
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- Durand & Marohn, Albany, N. Y.
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- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.
- Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 84 Hawley St., Boston.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
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- Welch Bros., 226 Devonshire St., Boston.
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Buffalo, N. Y.

- William F. Kasting Co., 383-37 Ellicott St., Buffalo, N. Y.
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Chicago

- Chas. W. McKeller, 51 Wabash Ave., Chicago.
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WHOLESALE FLORISTS—**Chicago—Continued**

- Peter Reinberg, 51 Wabash Ave., Chicago.
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- B. F. Winterson Co., 45-49 Wabash Ave., Chicago.
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- Poshimann Bros. Co., Morton Grove, Ill.
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- Hoerber Bros., Atlas Block, 51 Wabash Ave., Chicago.
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Cincinnati, Ohio

- The J. M. McCullough's Sons Co., Cincinnati, Ohio.
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Cromwell, Conn.

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Detroit

- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
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Minneapolis

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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New York

- Ford Bros., 48 W. 28th St., New York.
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- Moore, Hents & Nash, 55 and 57 W. 28th St., New York.
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- John Young, 51 W. 28th St., New York.
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- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
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- Frank Müllang, 55-57 W. 28th St., New York.
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- Phillip F. Kessler, 55 & 57 W. 28th St., New York.
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- A. L. Young & Co., 54 W. 28th St., N. Y.
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- J. K. Allen, 106 W. 28th St., New York.
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- Charles Müllang, 55 and 57 West 28th St., New York.
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- Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.
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- The S. S. Pennock-Meehan Co., 1608-20 Ludlow St., Philadelphia, Pa.
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In writing to Advertisers kindly mention Horticulture

New Offers in This Issue.

ASTER LADY ROOSEVELT.
Scientific Intense Culture Ranch, Salem, Ore.
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ASTER SEED.
Henry F. Mitchell Co., Philadelphia, Pa.
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PLANT CUPS AND BOXES.
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George J. Hughes, Berlin, N. J.
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John F. Rupp, Shiremanstown, Pa.
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THE NEWEST LILACS.
Ellwanger & Barry, Rochester, N. Y.
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VIOLETS.
B. S. Slinn, New York, N. Y.
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APPLE GROWING IN NEW ENGLAND.

The great revival of interest in apple growing which is in progress all over the New England states was amply evident in the large audience and the enthusiasm manifested at Massachusetts Horticultural Hall, Boston, on Saturday, January 29, when E. Cyrus Miller, a successful apple grower of Haydenville, Mass., delivered an address on this topic. Mr. Miller used stereopticon views as practical object lessons in the practice of apple growing, showing every stage of the business from the clearing of the forest, preparation of land and setting out of young trees, to the picking, packing and marketing of the luscious product. He showed conclusively that the industry is a profitable one, that it has an assured successful future and that the hillsides of New England are unexcelled in their adaptability for apple raising by any other district on the continent. After the close of the lecture the speaker was besieged for nearly an hour by a large crowd of intensely interested auditors who propounded questions innumerable which Mr. Miller was all ready to answer convincingly.

PHILADELPHIA NOTES.

Chas. Zimmer of West Collingswood, who underwent a serious operation at the hospital recently, is reported to be all right again and able to attend to business as usual.

Chas. E. Meehan of the Pennock-Meehan Co., is now running a 40th range at his Churchville place in Bucks county in addition to the 11th range in Germantown. He thinks he now has enough for a year or two to keep him busy.

There appears to be a scarcity of tree roses this year both here and abroad. Any one with a surplus to offer will find a generous response from a card in HORTICULTURE. We know of several parties who wish to buy them by the thousand.

That new Rambler rose of Farquhar's must be a wonder. Does it really bloom all summer from June until frost and is it as good in other ways as—say the Philadelphia Rambler? We would like to hear some more about this "Flower of Fairfield."

An excellent four pp. pamphlet by Edwin Lonsdale, on "The Growing of House Plants" is being sent out by W. Atlee Burpee & Co. free. It did not take Burpee long to set his new California manager to work on congenial and telling literature—in addition to strenuous seed-growing preparations at Lompoc.

Where can we get some of those wonderful new things that your splendid oriental correspondent, E. H. Wilson, has been telling us about in recent numbers of HORTICULTURE?, is the question heard here frequently. They do not seem to be advertised anywhere. (R. & J. Farquhar & Co., Boston, have control of the American introduction of these novelties. Ed.)

Our ingenious and original friend, Thos. J. Oberlin up in the "Hog Back" district at Sinking Spring, Pa., grows and recommends for cut flower purposes "the best five" in gladioli: America, Florida, 1900, Augusta, and Madam Monneret. Brother Oberlin is doing a fine work in making these bare spots in the Pennsylvania mountains blossom—and is making it pay at the same time.

The Heller Bros. Co. says that the twentieth century idea in rose plants is quality not cuttings. Cuttings have the merit of cheapness and easy mailing. Put good plants of age and well developed are the thing. In other words America is outgrowing her first crude notions in the rose matter and is now educated up to paying the price. Good. Nevertheless don't forget that the rooted cutting was the pioneer and blazed the way for better things.

Acacia pubescens is the much sought for item at present in the spring flower list. Niessen's claim to have the largest daily supply coming to town—also the most superior as to quality and cut from the largest trees in the country grown under glass. This crop we understand is from the Evans' greenhouses at Rowlandville.

The Pennock-Meehan Co. also claim to have the largest and best daily supply of acacia pubescens—"not for publication but as a guarantee of good

faith!" Kind regards to both claimants.

If our esteemed editor wants to get some more ammunition for his just and holy protests over Uncle Sam's post office methods, let him look into the Canadian postmasters' report. They carry printed stuff there for half a cent instead of one cent a pound—and show a profit at that. If a cent a ton, say, were charged against the Congressional Record, maybe that would go a good way towards wiping out the twenty-eight million deficit. The American people are certainly the most easy going and tolerant nation on the face of the earth.

The president's address at the Pittsburgh convention is interesting reading. Is it possible at this stage that carnation growers do not know how much each square foot of their space produces in dollars and cents? I fear the A. C. S. tag idea would meet its Waterloo the minute it reached the retailer. These astute gentlemen want it all for themselves when it comes to advertising. They will not advertise any grower if they can help it. If the growers want that they'll have to open a shop of their own.

Visitors this week: Carl C. Cropp, Chicago; Louis J. Reuter, Westerly, R. I.; J. A. Brown, Coatesville, Pa.

PUBLICATIONS RECEIVED.

"One Year's Business" is the title of a very impressive business proposition being sent out by the McFarland Publicity Company. The name of the publisher is a guarantee as to the typography and general layout of this document. It is a very creditable demonstration of the best standard of horticultural printing and publicity art.

Sweet Peas Up-to-Date. Published, 1910, by W. Atlee Burpee & Co., Philadelphia, Pa.—This book is a commendable endeavor to give both amateur and professional the benefit of more than twenty years' experience in growing this favorite flower at Fordhook Farm. It contains lists and descriptions of varieties and synonyms, full cultural notes and other interesting matter compiled by G. W. Kerr.

Annual Proceedings and Bulletin of the American Rose Society for 1909. Secretary Hammond has given the members of the Rose Society a very neat, tasteful and also useful book—the best yet published under the auspices of the Society. It has some very instructive articles on rose growing and is copiously illustrated. A full list of members is included.

The Horticultural Directory and Year Book for 1910 has been received from the publishers, the "Journal of Horticulture" and "Poultry," office Fleet street, London, England. This annual, now in its 51st year, comprises 624 pages of closely printed information, lists of gardens and trade firms, etc.; indispensable to anyone who seeks to do business in any horticultural requisites or products, in the British Isles or on the Continent.

Richmond, Ky.—John Christman, Jr., has purchased the Richmond Greenhouse from the widow of the former owner, Albert Richfar.

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INCORPORATED.

Blacksburg, Va.—Virginia Wholesale Nurseries, J. H. Broce, pres.; M. F. Slusser, sec. and treas.; W. O. Frith.

Towson, Md.—J. W. Brandt Nursery Co.; capital stock \$5,000; John W. Brandt, H. J. Raphael and Thos. S. Nichols.

Portland, Me.—E. J. Harmon Company; capital stock \$10,000; E. J. Harmon, pres.; Mabel I. Hayes, treas.; Harrison Hayes, Elizabeth A. Harmon.

Mineral Ridge, Ohio.—The Harris Greenhouse Company, by Robert Harris, Ethel Harris, Estella Harris, George Hartill and G. A. Adams; capital, \$5,000.

Roswell, N. Mex.—Roswell Nursery Co., W. C. Reed, E. L. Beedham, E. A. Cahone, M. S. Murray, H. Fitzgerald, C. H. De Bremond, J. C. Hamilton and L. K. McGaffey.

Blacksburg, Va.—Virginia Wholesale Nurseries, J. H. Broce, president; M. F. Slusser, secretary; and W. O. Frith, treasurer. Capital maximum, \$500,000; minimum, \$3,000.

Boston, Mass.—Ames Implement and Seed Co.—Manufacturing and sale of agricultural implements and supplies; capital, \$100,000. President, F. B. Hill; vice-president, R. B. Stanley; treasurer, A. P. Webster.

Cincinnati, Ohio.—Hyde Park Rose Co., incorporated with a capital stock of \$15,000. Successors to Sunderbruch & Meier. Incorporators: Gustav Meier, Albert Sunderbruch, Henri Sonnenberg, Frank Sonnenberg and Joseph Sonnenberg.

San Francisco, Cal.—The California Evergreen Company, cap. stk. \$20,000, shs. \$1 ea. subs. \$700; directors—Jos. Scanavino, Jas. Roller, Natalie Merle, Emanuel Roller, Ernest Crescio, Angelo Costa and Angelo Lucchesi 100 shs. ea.

Fall River, Mass.—The G. L. Freeman Co. has been incorporated with the object of importing, developing and selling orchids. George L. Freeman, formerly of Wellfleet, is president, and William E. Braley is treasurer. The capital stock is \$30,000.

The Middlesex Co-operative Garden Co., of Hudson, Mass., whose notice

HELP WANTED

WANTED—March 15th, a Nurseryman of experience in packing and grading, and also a herbaceous man. Chas. R. Fish & Co., Worcester, Mass.

WANTED—A thoroughly competent plantsman well posted in trees, shrubs and all hard planting material. A good promising position for the right man who knows his business and can handle men. State references and salary wanted. "Practical Hustler," care HORTICULTURE.

SITUATIONS WANTED

WANTED—A position under a good gardener in a private establishment by a respectable young man, aged 23 years, five years' first class experience. Address T. A. H., 17 Everett St., Wellesley, Mass.

WANTED position with reliable seed firm, by young man with experience in the growing as well as the retail branches of the seed business. Seeds, care HORTICULTURE.

WANTED—Situation as grower in private or commercial place, or as salesman for wholesale plant or flower growing establishment. Have had many years' experience in all the above lines and can furnish satisfactory references. Address P. B., care Horticulture Pub. Co., Boston.

SITUATION WANTED by German experienced in roses, carnations, chrysanthemums, orchids, stove and bedding plants; also vegetables under glass and all out door work. Familiar with handling help. Wishes position on large private place March 1st, 1910, or before. First class references. Please state full particulars. Address O. S., care HORTICULTURE.

FOR SALE

FOR SALE—Greenhouse property, with stock and all; 12,000 sq. ft. glass, 1 13-room house, 1 5-room house with all improvements; a nice big store front; good retail trade; established 15 years; acre of ground, with lot on main street. 7710 Lorain Ave., Cleveland Ohio.

GREENHOUSE FOR SALE—In Bridgewater, built in 1907, size 30x100, with head house attached. Kroeschell hot-water heater. One-half acre land and adjoining land can be bought. Would sell house for removal. A. H. Hobart, Bridgewater, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—One 10 section Furman boiler used three seasons, good as new, \$150. One 9 section Furman, two years old, number 209, \$125; also one large 8 section Lord & Burnham, excellent condition, \$125. One small upright Spencer boiler to heat about 2000 ft. of glass, price \$55. This boiler was bought new last March. Also have one 10 h. p. upright steam boiler and 4½ x 2½ x 4 steam pump. price for both \$80. Guaranteed O. K. and in good working order. M. Tomback & Co., Sparkill, N. Y.

of incorporation we published last week, intend to do a gardening and specialty business and will cultivate about 75 acres. Benjamin Derby of Concord Junction is president; Albert Haynes, vice-president; H. Harding Hale, secretary, and Howard Wilson of Maynard, Mass., treasurer.

The estate of Frederick Goldring, president of the Albany Florist Club, is the largest floral establishment in Albany county, New York, having about 70,000 feet, located at Slingerlands. The chief products are roses, Easter lilies and carnations. Carnations are this season probably the finest ever produced at Fort Grove, not so many splits as in previous years. Sweet peas are a little late. Any of the craft visiting Albany should not fail to call on President Goldring, who also has charge of the late Col. Hendrick's estate which covers about 300 acres of farm land.

CHICAGO NOTES.

Easter Outlook.

The Easter outlook is a little doubtful. The fact that Easter comes so early this year, does not lessen the difficulty, particularly with the plant growers. Azaleas are assured, as they can get along better than some other plants with dark weather, but there is a good, fair chance that unless the weather changes very soon, the stock of blooming rose plants will be small. Lilies, too, will be hard to coax into bloom unless sunshine comes to help out soon. The growers are too wise to borrow trouble, but they are bending all their energies to put their stock into as good condition as possible, hoping that the all important sunshine will come in time to help them out.

The Mastin Spraying Machine.

This useful device is a Chicago invention. It has been tested in three of Chicago's largest parks with satisfactory results, and is now used in the conservatories at Jackson, Lincoln and Garfield Parks. It is made of galvanized iron in three and eight-gallon sizes, can be carried on the shoulder, and is simple and strong in construction. It is invaluable to the grower under glass for the perfect distribution of liquid fertilizer as well as to the grower of out-door plants. A special attachment is provided for spraying whitewash. A booklet issued by J. G. Mastin & Co., tells how to use the machine for insecticides of various kinds. Send for this booklet. It is free and full of valuable hints. See their advertisement in another part of the paper and do not forget to mention HORTICULTURE when you write.

Personal.

Frederick Sperry is again at his place of business after a week's illness.

Sol. Garland, of Des Plaines, is not in good health this winter, being a sufferer from rheumatism.

Mrs. Paul Kruger, a daughter of Geo. Reinberg, is temporarily acting as bookkeeper for her father.

Report of meeting of Florists' Club and the Bowling Club will be found under their respective headings on other pages.

Fred G. Klinger, for two years bookkeeper at Geo. Reinberg's wholesale store is now filling the same position with John Kruchten.

On Feb. 2, at Seattle, Wash., will occur the marriage of Miss Elizabeth Schneider and John Lydig. Miss Schneider was formerly a retail florist at 105 Dearborn street. Seattle will be their home.

R. Ralston has bought the 43rd street store formerly owned by A. W. Morgan, deceased. This store was formerly owned by Mr. Ralston and at that time Mr. Ralston was an employee and later with J. H. Kidwell & Bros. Mr. Ralston's experience has fitted him for handling a store of his own and the trade wish him success.

Mrs. Percy Jones, who Jan. 1st, took charge of the stand so long occupied

The Mastin Automatic White-wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.

All parts are made to gauge, and may be had for repairs.
Just the thing for distributing liquid fertilizer in greenhouses.
Ask your dealer about our EXTENSION HOSE, EXTENSION RODS, and the MASTIN WHITE-WASH NOZZLE for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co.,

3124 West Lake Street
CHICAGO, ILL.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{1}{4}$ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78th Wabash Ave.,
Chicago, Ill.

by her late husband in the Flower Growers' Market, is now well established. Though during Mr. Jones' life she was never actively engaged in the work, she has since his death developed an aptitude for it, which is not remarkable when it is recalled that she comes of a family of florists, the Garlands.

Visitors—Christ. Mund, Warsaw, Wis.; will rebuild houses in the spring. C. G. Gilbert, Oregon, Ill. Paul Berkowitz, of H. Bayersdorfer & Co., Phila.

Mr. Ebel of the Aphine Manufacturing Co., has completed arrangements for a public test to be held at Michell's new store in Philadelphia, a place suitably adapted for this purpose, on Lincoln's Birthday, February 12th, between the hours of two and five p. m.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating



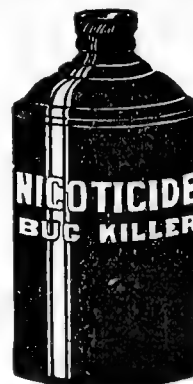
25 lbs., \$1.00 100 lbs., \$ 9.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50

Stump & Walter Co. 50 Barclay St., New York.

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Paethorpe Co.
OWENSBORO, KY.

*green flies and
black ones too*

are easy to kill with

The Fumigating Kind
Tobacco Powder

\$3.00 per bag 100 lbs.

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Evergreen Brand Fertilizer

Specially manufactured for growing Flowers, Ferns, Palms, etc.

Its recommendation is based upon careful, extended and disinterested experiments, showing that this material is a nourishing, easily, available food for crops.

It consists of about half Animal matter and half Minerals, treated and refined, thus it is free from all deleterious substances and will not burn or injure the most delicate plant root, unless an extraordinary amount is applied at the same time.

It is immediately available, and its effect upon most crops may be noticed within six days after its application.

It prevents the onslaughts of plant diseases or insect pests.

It will greatly benefit all greenhouse crops; notwithstanding the richness of the prepared soil, since it furnishes all the Plant Food elements in available forms and sufficient quantities to meet the needs of the plants,

It should receive careful attention, because its right use, permits not only an economical utilization by the plant but a control of its growth; it may be used in such a way as to change the natural tendency, and thus improve it for specific uses; thus, in addition to the increase in yield which it produces, it enhances its market value.

Its uniform action seems to be to stimulate the capacity of the plant for absorbing water and developing foliage and stem growth, and to bring out numbers of new shoots, hence roses and other flowering plants, the best results are secured when this fertilizer is applied during the early growing period, as the energies of the plant are immediately concentrated upon developing its growth.

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Kalamazoo, Mich.—William Thomas, house, 27x100.

Philadelphia, Pa.—Victor Groshen, house, 29x100.

Newton, Mass.—H. A. Wheeler & Co., one house.

West Wareham, Mass.—Everett Benson, one house.

Kankakee, Ill.—Raasch Bros., carnation house, 47x200.

Stratford, Conn.—Mrs. L. G. Mills, addition, in spring.

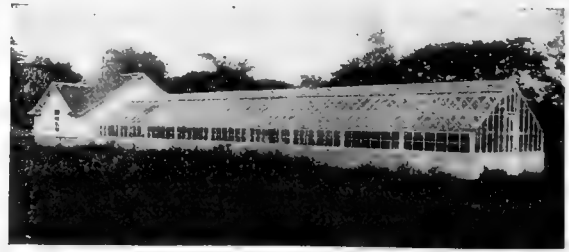
Louisville, Ky.—F. Walker & Co., addition 5,000 feet in spring.

Rhinebeck, N. Y.—J. Vonder Linden, four violet houses, 18x200.

North Bridgton, Me.—Chas. H. Chadbourne, addition to potting shed and one house, 20x50 feet.

Louisville, Ky.—F. Walker & Co. will add 5,000 feet of glass the coming spring. They have 14 greenhouses with an area of 30,000 feet of glass and cultivate 15 acres of land.

Fredericksburg, Va.—F. T. & S. E. Covey have added four greenhouses, 25x100 feet. This addition will employ from five to ten extra hands and plants for Christmas and Easter will be specialties. With the new greenhouses the plant of eight houses has an area of 25,000 feet of glass.



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New Brand New Style.
Hose "RIVERTON"
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3/4-inch, per ft., 15 c.
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2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

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See the Point 43

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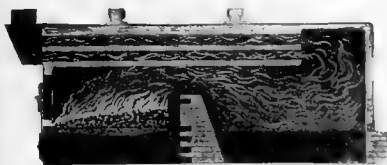
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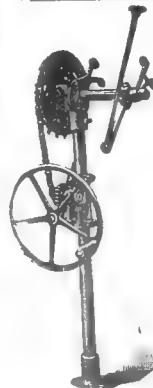
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The Advance Co.
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This is what happens to an open mortise joint—it lets in the weather, causing it to quickly rot.



Here is another effect of open mortise joint. Such a sash, made such a way, is short lived, soon becomes twisty, loosening the putty and breaking the glass.

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THESE SASH ARE NOT OUR SASH

You never saw any of our **Sash That Last** rotted and loosened at the joints this way.

Here's a case of wrong construction and inferior wood, slapped together any old way, just as most sash are made.

A good sash costs good money. A cheap sash isn't cheap at any price.

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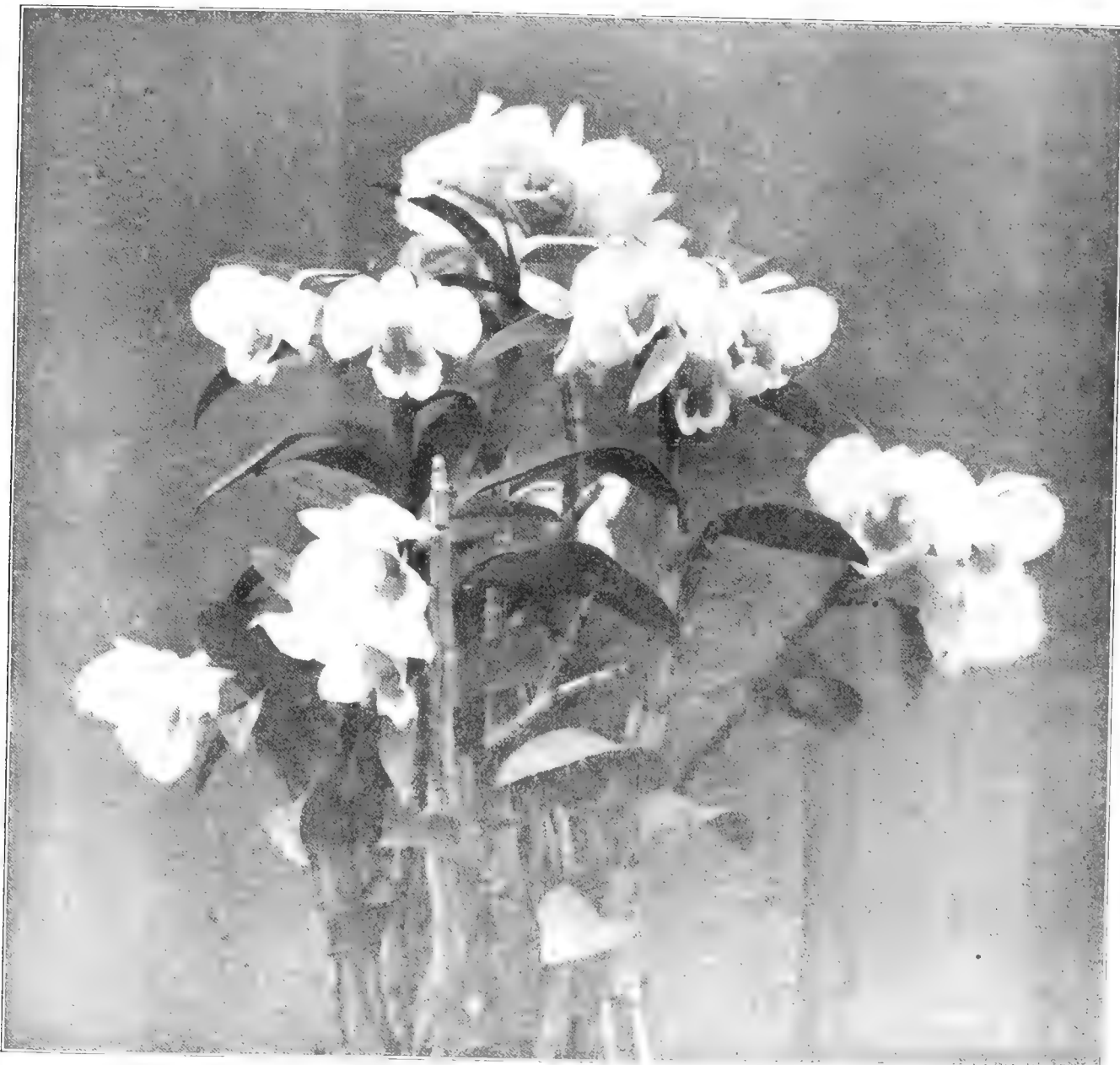
1 Madison Avenue
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HORTICULTURE

Vol. XI.

FEBRUARY 12, 1910

No. 7



DENDROBIUM FORMOSUM GIGANTEUM

DEVOTED TO THE
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS
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Chas. Henderson, 4 ft.	1.75	15.00
Crimson Bedder, 3 ft.	2.00	17.50
Duke of Marlborough, 4½ ft.	1.75	15.00
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2 1/2 in. pot, 8 to 10 in. high.....	\$ 0.00
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"New Roses of merit are made, not discovered," is a trite expression. How true this is is readily seen on comparing our garden Roses with their wild progenitors. Nevertheless the wild species have undeniable beauty and many are worth growing for their own sake to say nothing of the potentialities they may possess. This being so Rosarians in particular welcome the advent of a new species or variety of wild rose since they always open up wide possibilities. China is not only the home of the parents of our tea and rambler roses but of many other species of merit. Altogether some 30 species of Roses are known from China and rose-bushes are extraordinarily abundant. In central and western China two of the commonest roses are the Banksian and Musk roses. The first-named frequently covers trees 30 ft. high and in May festoons them with masses of white.

Wild roses are extremely variable and really distinct species are rarely met with in these days. The wilds of the Chino-Thibetan borderland have, however, yielded several and two of the best of these are *Rosa Moyesii* and *R. Willmottiae*. The first-named is a strong growing species, forming a bush 8 to 10 ft. high and as much through with large and ample foliage. The flowers are flat, 3 inches across, borne singly on short spurs, with petals of great substance. The color



ROSA SOULIANA

is very taking being a rich, deep red. *R. Willmottiae* forms a bush 6 to 8 ft. tall with arching, glaucous stems, rather small, glaucescent leaves and numerous, straight, straw-colored prickles. The flowers are small, solitary, of a delicate and very pleasing shade of rosy-pink. The whole aspect of this rose is exceedingly charming and pretty and the specific name is in appropriate compliment to one of the most famous garden-lovers of our time and an enthusiastic devotee of the Rose—Miss Ellen Willmott.

Rosa Moyesii is native of the upland thickets and *R. Willmottiae* of the dry, arid river valleys of the Chino-Thibetan borderland.

R. sericea var. *pteracantha* is an extraordinary rose, very beautiful in flower and fruit with large, decurrent, crimson, translucent prickles which extend down the stem from node to node.

In addition to the above the Arnold Arboretum has in cultivation several other new species and many distinct varieties of *R. moschata*, *R. sericea*, *R. multiflora*, *R. macrophylla*, *R. pimpinellifolia* and others about which it is too early to express opinion as to their merit as garden plants. Introduced quite recently through the agency of Roman Catholic priests from these same regions of China are two distinct species of *Rosa* which deserve to be better known. One is *R. Hugonis*; the other *R. Souliana*. The first-named is an erect growing, yellow-flowered Rose allied to *R. xanthina*; *R. Souliana* is allied to *R. moschata* forms a large sub-scandent bush, 15 ft. tall and as much through. The flowers at first pale yellow quickly change to pure white.

Thanks to the introduction from China of several new



ROSA MOYESII

species of *Deutzia*, and to *D. discolor*, var. *purpurascens* in particular, Emil Lemoine has in recent years given us a new race of extremely beautiful hybrids. At the present moment there are in cultivation species superior to those the famous French hybridist had to work with and in the near future we shall probably have *Deutzias* as much superior to the present hybrids as these are to the original forms. *Deutzia discolor* var. *major* and *D. Wilsoni* are two new species having large, corymbs of pure white flowers. The last named is the largest flowered *Deutzia* known, the individual flowers being more than an inch across. Both are vigorous growing species, 3 to 5 ft. tall. *Deutzia globosa* is another new species with erect branches and large, thyrsoid panicles of rather small, white flowers. The best and most striking *Deutzia* of the whole family is, however, *D. Veitchii*. This is a truly remarkable plant with erect branches, 3 to 5 ft. tall, and large trusses of deep, rose-lilac colored flowers, each flower being upwards of three-quarters of an inch across. This plant will shortly be in commerce and the writer ventures to predict that it will create a sensation when made known.

These new *Deutzias* are all native of the thickets of central and western China between 3,000 to 6,000 ft. altitude, are hardier than most of the family and in every sense are useful and desirable acquisitions.

Hydrangea is a genus rich in ornamental and free-flowering species. This family abounds in the thickets of central and western China, the individuals forming bushes 6 to 20 ft. tall. The flat corymbs of flowers, usually white, more rarely pink or purple, are often more than a foot across. The genus is in a chaotic state and until some competent botanist takes it in hand the writer prefers not to indicate any by specific names.

Philadelphus is represented in China by several closely allied species, all beautiful but none with distinctive merits over the older and well-known species and varieties.

Dipelta is a genus allied to *Abelia* and entirely new to cultivation of which the writer has been privileged to introduce two species, *D. floribunda* and *D. ventricosa*. These form bushes 5 to 10 ft. high, with bright, rose-pink flowers in size and shape resembling those of *Diervilla*. The plants are remarkably free-flowering and once seen not readily forgotten.

Lonicera finds its headquarters in China, the writer on his last journey having collected material of forty species. Many of these are shrubby and welcome additions to the family. One of the very best of all is *Lonicera hispida*, var. *chaetocarpa*, a bush 2 to 4 ft. tall, with ovate, hairy leaves and tubular, pale yellow flowers, as large as those of *Diervilla*, borne in the axils of the leaves. The plant is very hardy and free-flowering and the flowers are followed by attractive orange-red fruits. *L. prostata* is a new species adapted for rock-work with neat, ovate leaves and axillary, pale yellow flowers. *L. Maackii*, var. *podocarpa*, forms a large bush 8 to 12 ft. tall, with straight, spreading branches and white flowers arising from the axils of the leaves. *L. tangutica*, *L. saccata*, *L. deflexicalyx*, *L. szechuanica* and several of the species are in cultivation but have not yet had time to prove themselves.

S. H. Wilson.

Trans-Atlantic Notes

NOVELTIES IN DWARF SHOW, AND GROUPING DAHLIAS

The following remarks on Dahlias in Germany may be of interest to cultivators in the United States seeing that the cult of the Dahlia, owing to the introduction of new forms in the flowers, the size of the plants, and novel arrangement of the coloring have created an increase of interest among the general public. The results of cross-breeding in the genus are most strikingly apparent in the dwarf varieties so suitable for garden decorations and pot culture, and are sure of a future. Some of these still possess certain imperfections, but these will soon be driven out of cultivation by more perfect varieties. At the same time the cross-breeders must do everything possible to obtain a rich display of color and dwarfness of habit. In Germany the raising of dwarf Dahlias adapted for cultivation as pot plants for market is now extensively carried on. The crosses between tall and dwarf varieties of show Dahlias which unite the good points of each form an ideal class for planting in beds and groups. The following varieties, some in commerce, others not, may be briefly alluded to, viz., *Gruppenkonigin*—flowers of medium size, bright red; *Kolibri* (Humming Bird), bears flowers in prodigious numbers—color described as "Aurora"; *Matador*, bright red; *Erica*, light salmon pink; *Goldperle* is an introduction of last year, canary yellow, petals ray-like, a good plant for pot culture; *Blauer Zwerg* is likewise a novelty of 1909, flowers small purple violet with a dash of blue. Cultivators of these dwarf varieties should not afford the plants much manure; and when the soil is rich in humus and well cultivated it is advisable to omit doing so for several years running.

DWARF CHRYSANTHEMUMS

To insure the flowering of dwarf plants of chrysanthemums at the end of the month of October the cuttings must be taken at the end of August. Naturally the shoots chosen as cuttings should be well set with flower buds, and inserted in pots of a diameter of 2½ inches, and till rooted be kept on a lukewarm manure bed. In order to maintain a dwarf habit in the plants cool air must be admitted to the frame which is best assured by shading during the bright hours, syringing and ventilation at frequent intervals. When the plants begin to make roots through the soil place them in the open air, covering them with the lights in rainy weather. No repotting should be done, but weak manure may be afforded occasionally. The best cuttings are obtained for this purpose from strong plants of the previous year once repotted. Good varieties are *Madame Gustave Henry*, and *Souvenir de Petite Amie*.

NATIONAL CHRYSANTHEMUM SOCIETY

At the meeting of the executive committee of the Society held on January 17 it was resolved to hold an exhibition in September, one on November 8th and 10th and another on December 14th. The chairman announced that it was the president's wish that the Society should make arrangements for an exhibition to be held at the close of the Brussels International Exhibition in the month of October; and the president appealed to members to contribute a representative exhibit, as at the Paris exhibition of 1900. Mr. Harman Payne was nominated as the Society's delegate to the Horticultural Congress to be held at Brussels in April next.

A BORDER OF AMARYLLIS BELLADONNA VAR. GIGANTEA

Last year at the Botanic Garden at Kew, visitors enjoyed a rare treat in a border planted with uncommon

things, which is worthy of mention. In June an efficiently drained border was planted with the *Amaryllis* bulbs, with an edging of *Zephyranthes candida*, a plant which has white flowers and dark green foliage, and it had a pretty effect. As *Amaryllis Belladonna* flowers in its leafless state, the soil between the bulbs was planted with *sedum*. The conditions for successful growth and flowering are first, a sunny position, a porous soil and firm planting; water being afforded in hot weather.

A HYBRID BETWEEN ALBINO ORCHIDS

At the meeting of the scientific committee of the Royal Horticultural Society on January 11 a flowering plant was shown by Mr. Thwaites, of Streatham Hill, London, of which *Cattleya Mendelii* alba was the male parent, crossed with *Cattleya Gaskelliana* alba, the female one. The flowers were not of a clear white as are the parents, but had a faint pearly tinge. Up to the present two plants have borne flowers with the same characteristics and others are in bud; in which stage they appear to be white.

FIGUS RADICANS FOL. ALBA VAR.

We have in this *Ficus*, a rare and pretty variegated basket and climbing plant. Although not quite a novelty, it is still infrequently seen in gardens, notwithstanding it being a plant of easy propagation and culture, like the green leaved type, *F. radicans*. Owing to its white variegation and climbing habit, there are many purposes to which the plant may be put; not only as a basket or vase plant, but likewise to form ornamental globes and pyramids, which present very charming effects; and it affords, when there is a lack of white flowers, welcome material for the finer kinds of florists' work, in particular for wreaths and garlands.

ORNAMENTAL LEAVED BEGONIAS

During recent years a new type of ornamental foliaged begonias has come to the front in Germany, the fore-runners of which were varieties of *B. Rex*. Aware of the facts that the earlier *Rex* begonias possessed beautiful leaf coloring and that they were, as regards the leaves and leaf stalks, very brittle and easily injured, therefore not suitable for market purposes, and because of their entailing much difficulty in packing and carriage, the efforts of the hybridists have been directed towards crosses of the large-leaved species with those which are tall growers. One of these cross-breeders, Herrn Fobe of Ohorn, whose novelties of this class possess pleasing coloring, erect, spreading growth, and flexible leaves, properties very essential in market plants, and as decorative objects in winter gardens and conservatories, is now offering some of them. The following are recommended for potting purposes, and as good salable plants for the florist. The variety *Flora* possesses dark green leaves with silvery white tips; in Germania the middle area is brownish green with silvery markings on the outer half; *Lusatia* has silvery white leaves with a reddish suffusion and veins of dark green; *Saxonia* has silvery white blotches on a ground color of green, the edge and mid-area being of a brownish green tinge; and *Perle von Ohorn* has a silvery white leaf suffused with carmine—a fine plant for cutting purposes. These varieties are of proved value and may be highly recommended for the purposes named. A *Begonia* hybrid named *Chicago*, of another race, has leaves of silvery white and the entire plant is very effective. It has great powers of resistance and reaches a height of two feet.—*Otto Maedicke, in Die Gartenwelt.*

Vitis Thunbergii

Several years ago a very handsome large-leaved vine was introduced to England from Japan and received the specific name of *Thunbergii*, but as another small-leaved *Vitis* of no particular merit from a horticultural standpoint had been known for many years under this name—and also a native of China and Japan—this naturally led to some confusion. The vine to which I wish to draw attention was distributed by the Messrs. Veitch of Chelsea, England, and is consequently known as *Veitch's Vitis Thunbergii*, but it is considered by many eminent botanists, Mr. E. H. Wilson among them, to be a variety of the well-known *Vitis Coignetiae* which is highly valued for its extreme hardiness and ornamental character. Considering that the true *V. Thunbergii* is of little value and only seen in botanic gardens it may be well to retain so honored a name as *Thunbergii* for this very superior form of *V. Coignetiae* and much disappointment and confusion would be avoided if it were listed by botanic gardens and nursery establishments as *Vitis Coignetiae* var. *Thunbergii*. However, be the name what it may, this is, undoubtedly, the handsomest and most imposing of all cultivated vines and would supersede *V. Coignetiae* if it were better known in this country. For any position where climbing plants can be utilized it is a magnificent plant but it will be seen to the best advantage if planted on a pergola or pole in a situation fully exposed to the sun as the wonderful autumnal tints are then most brilliant.

It is not advisable to plant this vine in a rich soil or one that contains any manure as this conduces to very rapid growth which does not become fully ripened. An ordinary loam with moderately good drainage is the best rooting medium and then it will easily make fifteen to twenty feet of growth in one season after becoming established, which a very robust constitution soon enables it to do. Copious supplies of water during extremely dry weather are, of course, beneficial.

Although in general appearance it resembles *V. Coignetiae*, this vine has much larger foliage, the individual leaves, which are dark green on the upper surface and clothed with a dense soft down on the under side measuring one foot to fifteen inches in diameter. No one can fail to be impressed with this gorgeous vine in the fall when it puts on the most brilliant coloring composed of scarlet, crimson and gold, and in this country it would be more effective than in England owing to the brighter and more persistent sunshine. As with all ornamental vines for outside culture it is advisable to cut this variety hard back the first season after planting, as the growth is then much more satisfactory.

Arthur. E. Thatcher

Dendrobium formosum giganteum

One of the finest dendrobiums in cultivation. Its handsome white flowers are invaluable to the florist, being very largely used for bridal bouquets and other work requiring choice white flowers. A native of Burmah, it enjoys a hot moist temperature when making its growth. The flowers are produced in clusters. Well-grown plants will bear clusters of from 5 to 10 flowers each and when one considers the market value of the flowers one wonders why not more are grown. One thing to be remembered if anyone wishes to grow this species successfully is to buy only strong plants. They can be had for about \$1.50 each freshly imported.

Fredrick Moore

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Friends of all three organizations generally seem much gratified. Of course, it is a special occasion and the Carnation Society's move must be regarded largely as an experiment; nevertheless it may be reasonably accepted as an evidence of a changing sentiment among the rank and file of the Carnation Society towards the S. A. F. and the beginning of a closer relationship between these organizations in their work. Time will gradually work out the problem as to the best form which the cooperative movement should take so as not to hazard the best interests of all concerned. The outcome of next year's trial at Boston will have a decided bearing on the policies and future relationships of both national and local organizations.

For wise seed
 inspection laws

The agitation and enactments in various states of so-called pure-seed laws must, of necessity, hasten the time when a national law for seed

inspection will be inevitable. The wisest course for the seed grower and seed dealer under the circumstances, it seems to us, is now to take advantage of every means of disseminating a better knowledge of the truth as to seed admixtures and impurities, that the public may have a proper conception of the situation, its causes and its remedies as the seedsman knows it, to the end that when a national seed inspection law is framed it may be a just one, and the expression not of a blind prejudice but of an enlightened public sentiment. Much of the present inconsiderate clamor may be laid to ignorance of facts and conditions, and it is likely to go on continuously as long as these misconceptions exist. The average man who sows down a piece of lawn and discovers eventually that it is full of quack grass, dandelions or other noxious weeds, will invariably be found ready to join the hue and cry against the seedsman. A campaign of education through the newspapers might do a world of good. Is not this in line with the aim and scope of the "Council of Horticulture"?

McKinley Day

The Pittsburgh Sun, in an editorial, while giving due credit to the generous and almost reverent sentiment which

was and is so strong a factor in the establishment and the nurture of the McKinley Day carnation custom, has some things to say about the movement which, although based on some measure of truth yet seem harshly severe and will, we doubt not, awaken a resentful protest in the hearts of many who, otherwise might take little notice of McKinley Day. The remarks of the "Sun" are brought out by the proposition looking to make the scarlet carnation the State flower of Ohio "as a token of love and reverence for the memory of William McKinley," and it is disposed to criticise the movement as a "purely partisan" affair. It is too bad to bring to the surface even a suggestion of such motives and from our distant viewpoint it looks as though the journal quoted was itself the first transgressor. Still we question whether the custom of carnation wearing on McKinley Day has any strong element of permanency in it and we see no reason to change our views, as expressed in these columns several years ago, that the less fuss, from a business standpoint that the florists make about it the longer they will have the benefit of McKinley Day demand, such as it is. Above all else the quickest way to kill the custom is to advance the price of carnations on that day.

In the nature
 of an experiment

We have heard, thus far, no unfavorable comment on the decision of the American Carnation Society to suspend its time-honored custom and hold its meeting next year jointly with the Rose Society at the National Flower Show in March.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Begonias.

We have now quite a number of varieties of *Begonia semperflorens*. Very few other bedders are so satisfactory for certain outdoor decorative effects as these begonias. They are exceedingly good for the florist who deals in bedding and pot plants, for marking sharply cut lines, and also for massing purposes. Seeds of *Begonias semperflorens* and *Vernon* and its varieties should be started now. Use light soil. Sow the seeds very thinly over the freshly watered surface. Press them firmly into the soil with a piece of smooth brick or board. The seeds are so very minute that they need no covering. These begonias can be propagated from cuttings also.

Cinerarias.

From now on the plants intended for Easter will likely need a little more heat, unless they are very far advanced. They should have a very light bench, plenty of room, an abundance of air and must never be allowed to become dry. They should have mild but frequent fumigation. They can also stand sprinkling with tobacco water now and then, which should easily keep them free of aphids. When the flower trusses begin to show and all along before they show color, they should be fed with liquid manure of any kind, say twice a week, but not too strong. They will be improved both in substance and color of the flowers by it.

Ferns.

This is a good time to look over your ferns. It is possible that some of your stock has not been overhauled for some time and some will need potting. If any have got too large for your use, divide them up and repot in sizes big enough to allow an inch of soil around the clumps. Where the plants only need a shift, merely remove the crocks from the bottom of the plants and any loose soil before they are repotted. A good compost for ferns consists of equal parts of loam and leaf-mold with some sand; if manure is used it should be thoroughly decomposed. See that your ferns for filling fern dishes, have good attention. While they don't like syringing, the atmosphere that surrounds them should be kept moist. When ferns have filled their pots with roots liquid manure stimulant may be given at short intervals all through their growing season. By its use the plants are kept in a vigorous, thriving condition, with much less pot room than would otherwise be necessary. Seedling ferns will require all the care possible. Seed spores should be pricked off when large enough to handle, into flats, and all that are of sufficient size should be potted at once. *Adiantums* are always in demand, and various *Nephrolepis*, such as *Bostoniensis*, *Whitmani*, *Scottii* and *Elegantissima*; also *Pteris cretica* Mayii, *P. serrulata* cristata, *P. Wimsetti* and *Cyrtomium falcatum*.

Gardenias.

These plants can be retarded or advanced with ease. To have good success with gardenias the young stock should be raised by the grower himself in preference to southern grown stock. The cuttings that were taken from the parent plants in January and

AZALEA MADAME PETRICK.



This is one of the newer varieties of *Azalea indica* and in the three or four years in which it has been available to the trade in this country it has acquired a reputation as one of the most desirable ever introduced and has enjoyed a demand far beyond the present supply. Its popularity with the florist trade is due largely to its early forcing character. It can be easily brought into bloom in November and will be widely used for that reason. The flower is a very fine bright pink, something like *Van der Cruyssen* but smaller. *Azalea Madame Petrick* was introduced to the trade by C. Petrick of Ghent, Belgium, who named it after his wife, now deceased.

put in sand should be potted up as they become ready and grown on in a temperature of about 60 degrees. The young plants should be repotted as they require it. Give them plenty of moisture and see that they are kept free of insects. Don't fail to syringe them on all favorable occasions. If you have plants in the benches at this time with a full promise of a good crop, be sure and maintain a temperature of 65 degrees at night with little or no deviation either way. This means everything in the perfect development of gardenia blooms.

Outdoor Frames and Hotbeds.

It will be well for the florist to look over his cold frames. The exposure to the weather soon puts them in need of repairs. Now is a good time to make any repairs necessary so as to have them ready when wanted to relieve over-crowded houses. Frames protected with some covering or mats will not be a risk for plants of a half-hardy nature. To make a hotbed put in some fresh horse manure about eighteen inches deep and tramp well; when the weather gets warmer less will do. Allow about a week or so

The late W. K. Harris is credited by Robert Craig as having been the first to import this variety to this country. With characteristic prudence Mr. Harris would not divulge the name of the variety or where he bought it, but, nevertheless, Mr. Craig managed to get a good consignment himself the following year.

There are other azalea novelties to be put on the market in the near future which have been tested by sample only as yet, but which give promise of great superiority to the old standard sorts. *Mme. August Haerens* is one of these. It has a very large flower of bright crimson red and fine foliage.

after making for the intense heat to abate. When the temperature is down to a steady point of 80 degrees, spread a layer of fine soil of five inches for seeds; if for plants, roots or bulbs, more soil should be used. Be sure and see to ventilation on all bright days.

Primula obconica.

The stock that is in four-inch pots, if they are well filled with roots, can now be shifted into five or six-inch pots. They like a rich soil—a mixture of good loam, well-decayed manure and leaf mold. Thus handled they will produce a great wealth of bloom for two months that will pay well for the trouble. Be sure and make up some pans for Easter by using three or four plants from four-inch pots to a pan. They are sure to be as popular and useful as ever. Seedlings sown in January, when large enough to handle, should be pricked out into pans or shallow flats. As soon as they have made leaves an inch long, they should be potted in two-and-a-half-inch pots. Give them plenty of air and keep them as near the glass as possible to prevent them from drawing up.

J. J. M. FARRELL.

NEWS OF THE CLUBS AND SOCIETIES

NATIONAL COUNCIL OF HORTICULTURE.

The National Council of Horticulture held a meeting at the Auditorium Annex, Chicago, Jan. 17, 1910. There were present C. E. Kendel and C. Cropp from the American Seed Trade Association, E. D. Smith and W. E. Rudd from the Society of American Florists, J. H. Burdett of the Press Bureau Service, J. C. Vaughan, Chairman, and H. C. Irish, Secretary. Letters or telegrams were read from J. Horace McFarland, J. Otto Thilow, F. R. Pierson and C. L. Watrous.

The term as delegates at large of Professors W. B. Alwood, S. A. Beach and S. B. Green having expired, Professors Alwood and Beach were elected to succeed themselves and Professor J. C. Blair of Urbana, Ill., was elected to succeed Professor Green. It was announced that C. Cropp and C. E. Kendel were the authorized representatives in the Council from the American Seed Trade Association, J. Otto Thilow, E. D. Smith and W. N. Rudd from the Society of American Florists, C. L. Watrous and Guy A. Bryant from the American Association of Nurserymen, H. S. Watson and J. F. Wilson from the National Nut Growers' Association.

The Secretary reported \$183.22 on hand and \$200.00 available from the American Seed Trade Association or a total of \$383.22 for the current year's work.

Mr. J. H. Burdett made an interesting report on the press bureau work.

The possibility of instituting a paid service was suggested, but after a full discussion it was thought inadvisable to do so at this time. After further discussion the Secretary was instructed to ask the assistance of experts in the preparation of articles and to arrange a schedule for their distribution as soon as practicable. Some sixty subjects were suggested, one-half of which, the members present pledged to prepare. It was arranged to send out at least ten installments this spring, beginning the latter part of February.

H. C. IRISH, Sec.

FLORISTS' CLUB OF PHILADELPHIA.

Friday evening, February 4th, was Ladies' Night and a very enjoyable evening was spent by all who attended. President Heacock held a reception from 8 to 8.30 p. m. The games of bowling and shuffleboard were then started, ladies only being allowed to participate. The bowling prizes were won by Miss Koehler and Mrs. Dorp, the shuffleboard prizes by Mrs. Schwartz, Miss Shellem and Miss Glosster. At 9.30 p. m., refreshments were served, the men present having to wait upon the ladies before partaking of anything themselves. During the evening songs were sung by H. G. Crosby, Edward Dooner and A. G. Campbell. Miss Koehler gave a recitation which was very well rendered. The ladies kept up bowling until 11.30 p. m., and all hoped the club would have another Ladies' Night before long. The club room was decorated for the occasion by the house committee.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The February Show.

The following additional classes have been added to the list already published for the exhibition to be held in Horticultural Hall, Boston, on February 26, 27 and 28. The major portion of these classes should specially attract competition from commercial growers. The February show will take the place of the regular spring exhibition which it promises to equal in nearly every respect. Exhibits are already promised from New York, New Jersey and New Hampshire, in addition to Massachusetts:

Carnations.

50 white	\$6	\$4	\$3
50 flesh pink (Enchantress shade)	6	4	3
50 light pink (Winsor shade)	6	4	3
50 deep pink (Lawson shade)	6	4	3
50 scarlet	6	4	3
50 crimson	6	4	3
50 white variegated	6	4	3
50 yellow variegated	6	4	3
50 mixed (private gardeners only)	6	4	3
100 any one variety with foliage	12	8	6

Roses.

25 Killarney	12	8	6
25 any other pink variety	12	8	6
25 White Killarney	12	8	6
25 Richmond	12	8	6
25 American Beauty	15	10	
25 any other variety	12	8	6

Violets.

100 (bunch) Princess of Wales	4	3	2
100 any other single variety	4	3	2
100 Lady Hume (Campbell)	4	3	2
100 any other variety	4	3	2

Miscellaneous.

Mignonette 25 spikes	5	3	2
Antirrhinum 25 spikes	5	3	2
Lily of the valley 50 sprays	5	3	2
Basket of flowers (for retail florists)	15	10	5
Group of flowering and foliage plants covering 100 square feet	40	and Silver Medal	
3 Palms, distinct varieties, not less than 8 feet high	15	10	5
12 Hard wooded plants (Azaleas, Acacias, Ericas, etc.)	20	12	8

The preliminary schedule of prizes previously issued provides for primulas, orchids, cyclamens, spring bulbous plants, roses, carnations, sweet peas, fruits and vegetables, prizes amounting to \$400 in addition to sundry medals. Printed copies may be had on application to secretary W. P. Rich.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular monthly meeting of the club will be held at Horticultural Hall on February 15. S. J. Goddard will speak on Carnations. This being carnation night there will be an unusually large and interesting lot of exhibits comprising many of the newest varieties. Those unable to attend the Pittsburgh convention will here have an opportunity of looking over the candidates for popular favor.

A cordial invitation is extended to any who are not members of the Club to be present on this occasion. We will be very glad to welcome everyone interested in the divine flower and are planning for the largest regular meeting in the Club's history.

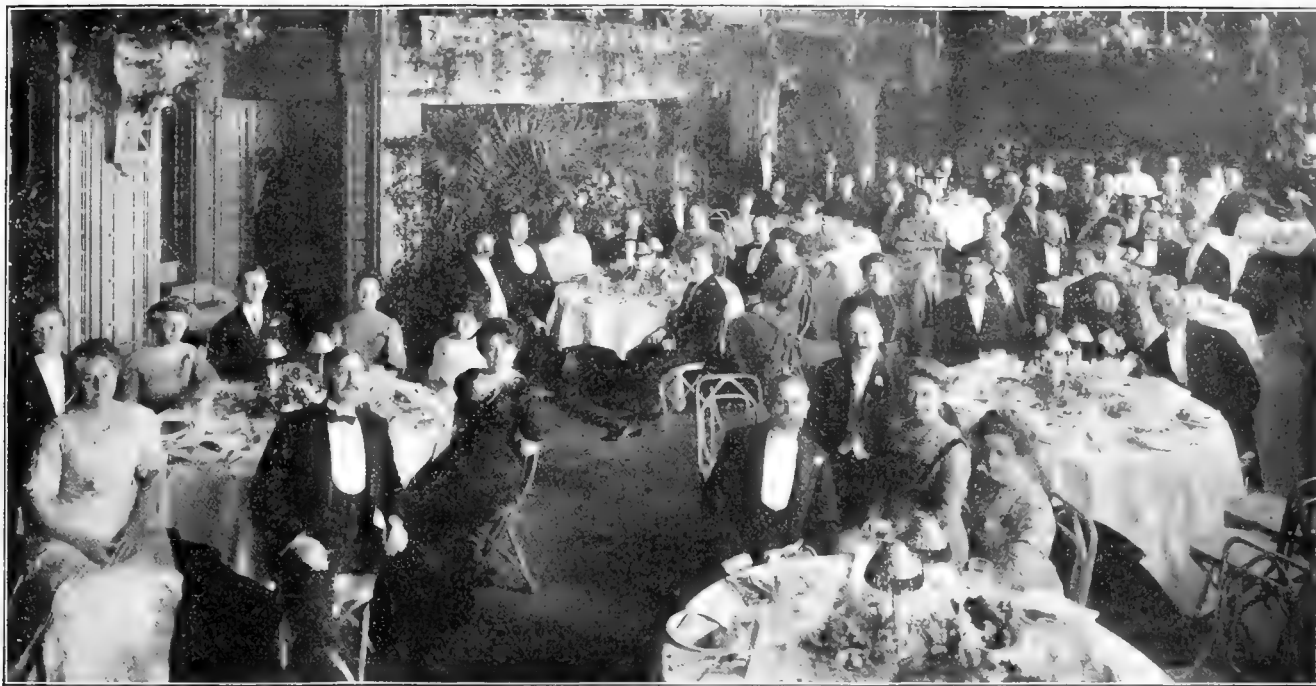
W. N. CRAIG, Sec.

NEWPORT HORTICULTURAL SOCIETY.

An unusually well-attended meeting of this Society was held Tuesday, Feb. 8, and as we previously stated that arrangements were made for five papers to be read by five members at this meeting it proved to be one of the most interesting and instructive meetings the society has ever held. The subject of the paper was horticultural exhibitions, each paper treating on a separate part of the exhibition under the following headings: The Utility and Mission, Preparing Exhibits, Arranging, Judging, and How to Secure Attendance, each of the papers taking from ten to fifteen minutes to read. James Robertson took the first part, covering it in so clear a way that it was said there was no room for criticising it. The second part was handled by John P. Hammond whom we have lately discovered to be a wit and an orator of the first water. He covered his subject very thoroughly and in a way that caused much laughter. Bruce Butterton was the next with the arranging part, going into all the details and showing us where improvements could be made in ways that most of us had never thought of, and many of his suggestions are likely to enter into our system at our next exhibition. The judging part was filled by Richard Gardiner, who from long experience was probably the best qualified for that task. How to secure attendance was ably handled by John Forbes who suggested many novel and good schemes to draw the crowd. A lively discussion was indulged in after all papers were read and good speakers were numerous.

FLORISTS' CLUB OF WASHINGTON.

The regular monthly meeting of the Florists' Club of Washington was held at Eagles' Hall on the night of February 1st. It was known as ladies' night and there was a good attendance in consequence. Nomination of officers resulted as follows: For president, George H. Cooke, John Robertson, F. H. Kramer and E. C. Mayberry; for vice-president, E. C. Mayberry; for secretary, O. A. C. Oehmler, W. A. Bollinger and Jas. L. Carberry; treasurer, William F. Gude, to succeed himself. There were two vacancies on board of directors to succeed W. S. Clarke and Geo. H. Cooke for a three-year term; nominees, W. W. Kimmel, O. A. C. Oehmler, David Grillbotzer, C. A. Shaffer and Jas. L. Carberry. The members then retired to the main hall where refreshments were served and quite an array of professional and amateur talent entertained them with song and dancing. Prof. Victor gave a darkey sketch, Miss Wolf a song and dance, Prof. Charlemagne Koehler, the inimitable, gave several recitations. Judge Robert Lee Montague in a very flowery speech drew a parallel between ladies and flowers. Music was furnished by Prof. Pistoria's orchestra. Dancing continued until a late hour.



BANQUET OF NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

CONNECTICUT HORTICULTURAL SOCIETY.

The first business meeting of the year was held at the County Building, in Hartford, on the 28th ult. Charles H. Plump, of West Redding, Conn., who is the secretary and treasurer of the Agricultural Experts' Association, whose headquarters are in New York city, was welcomed to membership in the Society, making the 150th member. J. A. Weber, gardener for Walter L. Goodwin, exhibited at this meeting six very handsome specimens of cineraria plants, all in 12-inch pots. C. H. Sierman and H. A. Pinney were appointed judges and awarded a certificate of merit to Mr. Weber.

The secretary read communications from various Connecticut congressmen, and from the postmaster general, acknowledging receipt of the recent resolutions in favor of the parcel post, and nearly all expressing their sympathy with the movement.

President John F. Huss delivered an able address on the subject of hardy ferns, and received a vote of thanks. He gave a resume of his thirty-five years' acquaintance with ferns, beginning with his employment, in early life, in the noted Clapton nursery of Hugh Low, in London, England, where he had charge of the tender greenhouse ferns, and ending with his recent experience in propagating hardy ferns for the beautiful estate of James J. Goodwin, in Hartford. To illustrate the method of propagation, mostly from spores, Mr. Huss brought pots from the greenhouse, showing the miniature plants in several stages of development; some being just visible above ground, and others having been pricked out for the first time. The lecture showed great familiarity with the minute particulars of successful fern culture, and was the first of a series of addresses that President Huss hopes to obtain, from other members, at future meetings.

C. O. Purinton briefly told of his

efforts to resuscitate old apple trees infested with the San Jose scale, by the use of judicious pruning, and spraying with Scalecide. He mentioned a tree of the Peck (formerly Peck's Pleasant) variety on his grounds. It is now 57 years old, and was thought, four years ago, to be irredeemably lost to the scale. As a practical illustration of how he had been able to save the tree by the means above mentioned, he passed around perfect samples of the fruit, left from the three barrels that the tree bore last season. This is an old Connecticut apple of first quality, not now much employed as a commercial variety, but highly esteemed for home use.

GEORGE W. SMITH,
Secretary.

A NEW HORTICULTURAL SOCIETY.

A very interesting event took place in Yonkers, N. Y., on the evening of Jan. 28—the inauguration of a horticultural society. It has long been felt that the time was ripe for such a move, and it only needed some one to make the initial start, and the first meeting was a very enthusiastic one. That the efforts of the promoters was a decided success is shown by the fact that nearly sixty members were enrolled. The following officers were elected: President, E. Bennett; secretary, W. H. Waite; vice-president, R. Cochrane; corresponding secretary, Lee Whitman; treasurer, P. Macdonald. Executive committee: H. Scott, J. Goff, T. Mahoney, R. Cummings, L. Taylor, A. Macdonald.

President Bennett and Secretary Waite both had large experience in such societies, and all the other officers and the executive committee are good, live men and hustlers.

LEE WHITMAN, Cor. Sec.

ROYAL HORTICULTURAL SOCIETY

At the second meeting of the various committees of the society on January 25, the exhibits were far less numerous than usual and those of most importance were orchids, of which only one received a first-class certificate and three were distinguished by awards of merit. Messrs. Sander & Sons, St. Albans, were exhibitors of several varieties of *Laelia anceps*, including L. A. Ballantinei, L. A. Sanderiana and L. A. Hollidayana, all of which are comparatively new introductions. A very finely colored cattleya *Trianae* Magali Sander received an award of merit. Charlesworth & Co. showed *Anguloa Cliftoni*, a new introduction from Columbia. The flower is of the same size as *A. Clowesii*, but is different in color and form from that and all others. A first class certificate. Mrs. Norman Cookson, showed *Odontioda Bradshawiae*, a variety certificated by the R. H. S. in March of last year. The plant had a spike of ten flowers.

CHICAGO FLORISTS' CLUB.

The regular meeting of this club was held Thursday, February 2, at the Union Restaurant, and the installation of officers was the chief business. President Asmus appointed the following committees: Transportation—E. F. Winterson, M. Barker, F. Lautenslager. Sports and Pastimes—T. C. Yarnall, Allie Zeck, F. Ayers. Good of the Club—Herman Schiller, F. Pasternick, J. Degnan.

The 9.40 a. m. train, Illinois Central Railroad, February 15th, was chosen as the official train to carry the florists to the meeting of the State Florists' Association at Urbana. The secretary was instructed to extend the thanks of the Chicago Florists' Club to the Pittsburgh Club for their courtesies during the recent convention.

TARRYTOWN HORTICULTURAL SOCIETY.

The Fall Show.

At the regular monthly meeting of the above society held in their rooms on January 28th, after routine business had been transacted the matter of the fall show was taken up and the dates fixed for November 1st, 2nd and 3rd. The committee appointed at a former meeting to make inquiries regarding a suitable place for the show reported that the Tarrytown Hall could not be had but that very suitable arrangements could be made for the Irvington Town Hall. They reported this as being equally as large as the Tarrytown Hall and even better suited for the purpose of a flower show. On their recommendation it was decided to hold the show there. John Brunger, gardener for Mr. I. N. Seligman, Irvington, N. Y., was appointed manager of the show.

Some Very Fine Cyclamen.

The monthly prize, for two plants of Cyclamen, was won by James Stuart, gardener for Mrs. F. A. Constable, Mamaroneck, N. Y., with splendidly grown specimens. So highly did they appeal to the judges that they recommended the awarding of a cultural certificate in addition to the regular prize. On a vote of the members present being taken the certificate was unanimously awarded.

The subject of the evening being Cyclamen, Mr. Stuart gave a very instructive account of the method by which he obtained such good results.

At the next meeting of the society the subject is to be Roses, the monthly prize being offered for a vase of twelve other than American Beauties. Mr. M'Hendry, gardener to Mr. W. A. Read, Purchase, N. Y., will give a talk on rose culture.

For the March meeting the prize is offered for three varieties of forced vegetables.

WILLIAM SCOTT, Cor. Sec.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

At the Club meeting on the 1st, all were anxious to hear the reports of the committees handling the entertainment of the Carnation Society and when the reports of the finance and exhibition committee showed between three and four hundred dollars unexpended surplus, hearty congratulations and praise were given those whose efforts had brought about such a successful ending to the labors of the last few weeks. The memories of the banquet with its good fellowship, will abide with us for long, and if our guests can only carry away equally as pleasant memories of the convention as the members of the Pittsburgh Florists' Club will retain, the convention, indeed, will have been a grand success. The thanks of the Club were extended to the committees.

Election of officers for 1910 resulted as follows: F. Burki, president; P. S. Randolph, vice-president; H. L. Blind, treasurer; H. P. Joslin, secretary; C. S. Crall, assistant secretary; Jno. Bader, E. C. Reineman and J. L. Wyland, executive committee.

The secretary was instructed to tender the thanks of the club to the H. J. Heinz Co. for courtesies and luncheon extended the club and guests

on the 26th, and to write a letter of sympathy to John Reimels of Woodhaven, L. I., who was taken sick while attending the convention.

Mr. Muller representing Julius Roehrs Co., of Rutherford, N. J. was present at the meeting with four varieties of Cypripedium. They were Cypripedium x Olivia, C. x Leeannum Clinkaberryannum, C. x Leeannum Josephianum, C. x Minos Youngii.

Prizes were awarded in the private gardeners' competition; for cyclamens, David Fraser, first; Frank Crook, second; for carnations, Carl Becherer, second. The judges were Harry A. Bunyard and J. W. Jones. Cultural certificates were awarded Carl Becherer for Saintpaulia Ionantha grandiflora atroviolacea, Primula sinensis and cultural commendation for Primula Kewensis. Cultural certificate to Frank Crook for Cypripedium Leeannum and honorable mention for Cineraria Matador.

For the March meeting special prizes of \$6.00 and \$4.00 are offered to the private gardeners' by H. Waterer of Philadelphia for three 7-in. pans hyacinths in 3 varieties, three 7-in pans tulips in 3 varieties.

Subject for next meeting, Easter Plants and Flowers.

H. P. JOSLIN, Sec'y.

APHINE ON FERNS

Two Millions of Ferns J. F. ANDERSON Five Hundred Varieties
Grown Annually. FERN SPECIALIST of Ferns in All Sizes.

Short Hills, N. J., Jan 31, 1910

Aphine Mfg. Co.,

Madison, N. J.

Gentlemen:—Kindly ship me at once, by U. S. Ex., two gallons of Aphine. The last gallon received from you has been thoroughly tested, and proved to be a most effective exterminator of all such insects to which ferns are subjected. If your preparations are of uniform strength, a solution of one to fifteen will be safe on the most delicate ferns.

Yours respectfully

J. F. ANDERSON.

The manufacturers of Aphine guarantee a uniform product at all times, and, if directions are carefully followed, that it will do all we claim for it

A PUBLIC APHINE TEST

will be held in Philadelphia on Saturday, February 12th, 1910 (Lincoln's Birthday), from two to five p.m., at the new seed store of

HENRY F. MICHELL COMPANY, 1018 Market Street

You are cordially invited to be present and to submit any plants, shrubs, or stock that may be infested with insects or disease, so that we may demonstrate to you the wonderful merits of this new insecticide discovery—APHINE.

APHINE MANUFACTURING COMPANY

MADISON, NEW JERSEY

AMERICAN CARNATION SOCIETY. Notice of Registration.

E. G. Hill Co., Richmond, Ind., register carnation Niagara—The Belle X Unknown. Pure white. Size, 3 to 3½ inches. A free grower, strong and healthy.

A. F. J. BAUR.

Secretary.

CLUB AND SOCIETY NOTES.

A meeting is to be called at Topeka within a short time for the purpose of organizing and incorporating a Kansas State Florists' Association.

The Pennsylvania Nurserymen's Association elected Samuel C. Moon, Morrisville, president and Wilmer W. Hoopes of West Chester, vice-president of the association.

The annual dinner of the New York Florists' Club will be held at the Fifth Avenue Building Restaurant, Twenty-fourth street, west of Broadway, Thursday evening, March 17th, St. Patrick's Day.

The officers of the newly formed Nebraska State Florists' Society are as follows: President Irwin Fry, Lincoln; vice-president, Lewis Henderson, Omaha; secretary, Edw. Williams, Grand Island; treasurer, M. Atkinson, David City. The organization will act as an auxiliary to the State Horticultural Society.

PRESENTATION OF H. J. VEITCH'S PORTRAITS.

No one in the horticultural world of Great Britain is held in higher esteem than Mr. Harry J. Veitch. The presentation of the portraits took place at a complimentary dinner on January 25, in the hall of the Royal Horticultural Society. Mr. Veitch's practical assistance in all charitable work connected with gardening and gardeners is known to all; and it is not surprising that the response of the public was so spontaneous and liberal. The enthusiasm shown by those who took part in the formal presentation on Tuesday, great though it was, inadequately represents the esteem and affection in which Mr. Veitch is held by the horticultural fraternity. How thorough are the good wishes which he received may be gathered from the speeches made at the presentation dinner, on account of which is given in "The Gardeners' Chronicle," of January 29. One of the portraits was presented to the R. H. S., and the other to Mrs. Veitch. Among the company of 150, which included several ladies, were Sir Trevor Lawrence, president of the society, and many well-known and influential gentlemen. After the loyal toasts had been proposed, the chairman read a telegram from Baron Schroder, conveying heartiest congratulations "to our dear friend Mr. Veitch whose services to horticulture, not only to Great Britain, but to the whole world, deserved recognition." The chairman also read a letter from Col. Holford, regretting that, owing to an operation, he could not be present to take part in a gathering to do honor "to one of the most distinguished and popular horticulturists that ever lived."

FREDERICK MOORE.

HARRY JAMES VEITCH.

The name of Veitch is a household name in horticultural spheres the world over, and in this country, equally with the old country, do we honor the present head of this famous house. The Veitch establishment was founded at Killerton, Devonshire, about 1808, by John Veitch, grandfather of the present Mr. Harry J. Veitch. About 1832 it was established at Exeter, with James Veitch, son of the founder, at the head, and in 1853 moved to Chelsea, London.

It is no disparagement to other great horticultural firms to proclaim that the house of Veitch has done more for horticulture generally than any other single establishment. Pioneers in hybridization and selection, to them we owe the commencement of our orchid hybrids, tuberous begonias, winter-flowering begonias, hippeastrums, streptocarpus, nepenthes, etc., etc.

As early as 1840 the firm despatched their first collector, William Lobb, and his work has been continued almost interruptedly down to the present day. Veitch's travellers, twenty-five in all, have ransacked the world in quest of new plants, and to the enterprise of this firm we owe a large percentage of the plants of our gardens and greenhouses of today.

In 1865 the subject of our note, having previously assisted his father,

joined the firm as partner. Since then, with one brief interim, he has been actively engaged in its management, and for several decades has borne its destinies on his shoulders. A keen business man to his finger tips, large and open-hearted, his firm's employes worship him and one and all strive their utmost in hearty co-operation. No employer could be idolized by his employes more than is "Mr. Harry," as he is fondly termed. But Mr. Harry J. Veitch has done more than consolidate and extend a huge



HARRY JAMES VEITCH

business; his work for the advancement of horticulture in its manifold branches has been enormous. For more than half a century Mr. Veitch has been a prominent mover in all and every matter associated with horticulture across the water. With brain and purse he has (and still continues so to do) assisted every movement which has for its object the advancement of horticulture. The gardener never had a truer and warmer friend than Mr. Veitch, nor one who has labored more in the interest of indigent and aged gardeners and orphans of gardeners. Deeply religious and philanthropic, his assistance to multitudinous charities is constant and unostentatious, for his right hand never knoweth what his left doeth in these matters.

Orchids and nepenthes are among his favorite plants, and we owe to him some valuable papers on these subjects. He is a member of several scientific societies and his private hobbies are farming and pictures, and his collection of the latter contains many fine examples.

We congratulate our friends across the water on the possession of a worthy portrait of a worthy man, and

Beautiful! Novel! Valuable!

The Newest Lilacs

Double and Single
Extraordinary Offering

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best

FRUIT AND ORNAMENTAL TREES,
SHRUBS, ROSES and HARDY PLANTS

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N.Y.

the council chamber of the Royal Horticultural Society, in company with portraits of Sir Joseph Banks and others, is a fitting place for the portrait of Harry J. Veitch. Beloved and honored by all sorts and conditions of men in many lands, long may he yet be spared to adorn the science he has done so much to advance.

E. H. WILSON.

THE CARNATION SHOW.

(Verses by Arthur G. Burgoyne, in Pittsburgh Chronicle-Telegraph.)

Where the sign "Fort Pitt," suspended
From a palace vast and splendid,
Offers standing invitation to the traveler
to step in,

If today you chance to enter,
Guided by some knowing Mentor,
You will find a bow'r of loveliness to
Paradise akin.

There in friendly contest meeting
And for honors high competing
Are the kings of horticulture, with ambitious
pride aglow,
Each his best endeavor making
To achieve a record-breaking
And astounding grade of merit at the
Prize Carnation Show.

Oh, the gems that they're displaying,
By their wizardry essaying
To excel the work of nature, as apparently
they do,

Since their art today discloses
Blooms as fine as Beauty roses
And with nuances of color which Dame
Nature never knew.

There's the glorious Perfection
With its snowy-white complexion
And the Mrs. Thomas Lawson with its
rosy tint and, oh,

There in all its gay bravado
Is the golden El Dorado,
And the scarlet Craig illuminates the
Prize Carnation Show.

There's the pink Enchantress beaming
And the Daheim darkly gleaming;
There's the Victory, the Manley and the
dainty Queen Louise,
And a host of new ones render,
By their tinged and penciled splendor,
Joy unbounded to the connoisseur who
raves o'er blooms like these.

And our town is in the running.
Hands that never lose their cunning
Vindicate the fame of Pittsburgh and let
all our neighbors know

That we're up in floral science,
Hence with joyous self-reliance
We bid welcome to all comers at the
Prize Carnation Show.

Little Rock, Ark.—The State Horticultural Society elected officers Jan. 19, as follows: President, D. E. Eicher, Johnson county; second vice-president, H. H. Childers, Morrilton; secretary, Prof. Ernest Walker, Fayetteville; treasurer, J. W. Vestal, Little Rock. The retiring president, W. H. H. Shibley of Van Buren, becomes the first vice-president by virtue of his office as president for the preceding year. Executive committee: J. A. Bauer, chairman, Judsonia; A. W. Poole, Ozark; O. W. Patterson, Gentry; Lafayette Marks, Springdale; M. F. H. Smeltzer, Van Buren.

THE ROSE SOCIETY, ITS AIMS AND OBJECTS.

Why the Small Rose Grower Should Join the American Rose Society.

(Adolph Fahrenwald before the Florists' Club of Philadelphia.)

I have often wondered why so many small rose growers give the Rose Society the cold shoulder. The large rose growers all seem to be members. Why should this be so? Has the small grower no benefit to expect as a member of the American Rose Society, or is he prejudiced against it? Surely there is no cause for either of these reasons. The most of them have not come near enough to see and understand. It is time then that they make an earnest effort to see and understand, and by doing so they will soon recognize the value of this organization in the many tasks which it endeavors to fulfill; every one being of vital interest to every rose grower.

As I said before, the large growers are all members. Now, did you ever stop to think why they are? Surely not for the fun of it. They are all too shrewd business men. The money they invest this way must bring them some interest. "Light your pipe," as they say, and think this over—it is worth while. It is high time that we, as rose growers, took notice that the carnation is pushing the rose into second place in the favor of the public.

It is impossible for me, in this short paper, to go into all the different points of usefulness of the American Rose Society—to pluck them apart and hold them up to the searchlight. I will merely confine myself to the yearly exhibition and convention—their value as an education and inspiration.

On March 16, 1910, the yearly exhibition and convention will be held in New York city. Now, fellow members, this gives you a fine opportunity to realize the value of such an exhibition as an education and inspiration. Most of us think we grow better roses than the other fellow. An exhibition will open our eyes. Roses that at home we thought wonderful often diminish decidedly in our estimation when placed in competition with others. Here is the education if we want to see it. We are in this business for money. If roses are not up to standard, we will not realize on them as we should. This may be a bitter pill to swallow, but it should be the inspiration for a greater and continued effort, which will easily pay in the future for the little time and money it took.

At the exhibition, we also have an opportunity to see alongside of the old standards, the new varieties. The originators of these new varieties are sure to be at hand, each man eager to explain the strong points of his particular favorite—his rival only too eager to point out the flaws. There too, you will see many of the brightest lights in the rose-growing profession, from whom you can get valuable pointers. You have the great pleasure of meeting old friends. Besides, the social side of these gatherings has a charm which no one who has ever attended can forget.

While we can read in our trade papers the essays read at the convention meetings, yet we miss the after discussions and criticisms, which are a most important and essential part of

NEW CARNATIONS

The Two Prize Winning Introductions of the Cottage Gardens

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seeding, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

Price, Rooted Cuttings

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000, 25 at the 100 rate, 250 at the 1000 rate.

Delivery Feb. 20th.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashes of pink similar to the Cattleya Orchid, increasing its popularity. ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter on strong, erect stems 36 to 42 inches in length.

AWARDS

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

Price, Rooted Cuttings

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery March 1st.

These varieties bring from \$2.00 to \$4.00 per 100 more than any other carnation sold in the New York market.

COTTAGE GARDENS CO., Inc.

QUEENS, LONG ISLAND, N. Y.

such meetings. Then, too, the enthusiastic arguments of some members, the hair-splitting arguments of others, the sound advice of those who confine themselves strictly to business so that one fairly sees the dollars sticking out, all combine to make these meetings serve as food for thought for many a day thereafter.

To make this Rose Society a success, it needs the interest and enthusiastic support of all rose growers, large and small, over the entire country. Everyone who grows roses for a living should feel it a sacred duty to belong to this Society; in fact, everyone interested in roses should belong and help bear out the motto of the Society, "A rose for every home, a bush for every garden." Then, anyone growing roses for a living, who cannot or will not be interested in the work of this Society will be the one who continuously kicks about bad times and prices and howls about the "good old times." He is a dead one—"Peace be to his ashes."

CLUB AND SOCIETY NOTES.

Austin, Minn.—The Southern Minnesota Horticultural Society has elected as officers: President, O. H. Peterson, Albert Lea; vice-presidents, J. C. Hawkins, of Austin; O. W. Moore, of

Spring Valley; P. Clausen, of Albert Lea; treasurer, Chris Berthelson, Albert Lea; secretary, L. W. Prosser, Le Roy.

At the annual meeting of the Wisconsin State Horticultural Society, the following officers were elected: President, William Toole, Baraboo; vice-president, A. J. Smith, Lake Geneva; secretary, Frederick L. Crane; treasurer, L. G. Kellogg Ripon. The treasurer reported total receipts of \$8,075.68, of which \$8,000 is the state appropriation. The entire sum was expended.

At the annual meeting of the Rhode Island Horticultural Society at Providence, officers were elected as follows: President, Edwin H. Burlingame; vice-presidents, Col. R. H. I. Goddard, Hon. George Peabody Wetmore, Thomas Hope, Prof. H. J. Wheeler of Kingston College, Rev. George Kent, Jacob Swarts and William Appleton. Charles W. Smith was re-elected secretary; Richard M. Bowen, treasurer; Addie F. Holland, librarian; W. Whitman Bailey, botanist. The treasurer's report showed total receipts for the year of \$1,437.46, of which \$1,396.37 was paid for premiums and bills, leaving a balance at the end of the year of \$41.19. The permanent funds of the society amount to \$2,666.

Carnation Dorothy Gordon at Pittsburg

You must have seen and admired our Carnation Dorothy Gordon at the Pittsburg meeting, if you were there; our exhibits of this superb new variety attracted a vast amount of attention and caused much favorable comment from the hundreds of visitors who saw it. If you missed the show, just notice the very flattering mention that "Dorothy Gordon" received in the reports appearing in your trade publications of last week.

Our exhibit of 100 "Dorothy Gordon" in Section "A" won Second Prize; but more than any award we value the opportunity that many more of our friends had at that meeting for seeing this worthy new variety and passing on its merits at first hand.

We have already sold more than 100,000 rooted cuttings this season and the limit of our growing capacity has nearly been reached. If planning to feature "Dorothy Gordon" this year, you should get in your order at once. Not much time is left, anyway—so write us NOW if you want any stock this spring. Don't delay! Prices remain as previously quoted

\$10.00 per 100; \$75.00 per 1000

Come and see it if you can, or write us for literature and full particulars—free. We'll gladly answer your questions.

JOSEPH HEACOCK CO., Disseminators, WYNCOTE, PA.

**Many Orders
Booked Daily**

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, \$12.00 per 100; \$100.00 per 1000
Alma Ward, 15.00 " 125.00
Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, \$6.00 per 100; \$50.00 per 1000.
White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden, \$3.50 per 100; \$30.00 per 1000.

NOW READY

New Crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons at 25c and \$1.00 per package.

CHARLES H. TOTTY, MADISON, N. J.

ROOTED CUTTINGS CARNATIONS HEALTHY STOCK

Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.
Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

ROSES

Grafted and Own Root. Have a few thousand each. Send for List.

**WOOD BROTHERS
FISHKILL, N. Y.**

PEONIES

Send for our list. The very choicest Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress
Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

**THE E. G. HILL CO.,
Richmond, Indiana.**

CARNATION

Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATALOG for the Asking.

**SKIDELSKY & IRWIN CO.,
1215 Betz Bldg. PHILADELPHIA, PA.**

CARNATIONS

**F. DORNER & SONS CO.
LaFayette, Ind.**

Blooms 3-3½ inches
Stems 24-30 "

Strong Grower.
Free From Disease.

Bon-Ami

**G. E. BUXTON
Nashua, N. H.**

An early, continuous bloomer.

An honest Commercial Carnation.

A new seedling White Carnation of exceptional merit as a dividend payer. Not a Gold Brick or Bunco Sort. One that will pay its Board and Lodging and present its owner with a balance on the right side of Ledger. Buy it and be convinced that Bon-Ami is all that its name stands for "A Good Friend."

Price \$10.00 per 100.

\$75.00 per 1000.

SHASTA

We are now shipping fine strong cuttings of Shasta. Orders already booked will take all we can deliver up to February 15th, but we can still accept orders for late February delivery. Send yours in at once.

BAUR & SMITH Indianapolis, Ind.

SANGAMO

New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

\$100.00 per 1000

**A. C. BROWN,
Springfield, Ill.**

**CHICAGO CARNATION CO.
Joliet, Ill.**

**A New Seedling
Carnation :: ::**

Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. **\$12.00 per 100; \$100.00 per 1000.**

Chicago Carnation Co.,

**A. T. PYFER,
Manager.**

Joliet, Ill.

MARY TOLMAN

**A NEW LIGHT PINK
CARNATION FOR 1910**

\$12.00 per 100. \$100.00 per 1000.

**A. E. HUNT & CO.,
Evanston, Ill.**

**CHICAGO CARNATION CO.,
Joliet, Ill.**

**HUNT BROS.,
Park Ridge, Ill.**

If you want good stock of
Gladiolus and Dahlias
AT REASONABLE PRICES

Write **Jantzen & Hoebel**
Hicksville, Long Island, N. Y.

FLORICULTURE

Complete Home Study Course in practical Floriculture under Prof. Craig and Prof. Batchelder of Cornell University.

Course includes Greenhouse Construction and Management and the growing of Small Fruits and Vegetables as well as Flower-Under Glass

Personal Instructions. Expert Advice

250 PAGE CATALOGUE FREE. WRITE TO DAY

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Prof. Craig

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All orders booked now for early delivery.

Write for Catalogue

**ELMER D. SMITH & CO.
ADRIAN, MICH.**

OSMUNDA FIBRE

We offer for immediate delivery in any quantity either the Yellow or Black Fibre of the Finest Grade, suitable for Orchids.

We can also supply at once Rotted or Azalea Peat, Leaf Mold, Live or Baled Sphagnum Moss.

SAMPLES AND PRICES UPON REQUEST

C. W. BROWNELL & COMPANY, WALDEN, N. Y.

CHICAGO NOTES.

The State Florists' Association.

Last week, the coming meeting of Ill. State Florists' Association at Champaign-Urbana, brought the officers of that society, including Pres. C. E. Gullett of Lincoln; Sec'y J. F. Ammann, Edwardsville, and F. L. Washburn, Bloomington, to the city to join local members of the advisory board for the State Experiment Station.

The preparations are now complete for the fourth annual meeting, Feb. 15th and 16th, to be held at the University Twin Cities where the 4000 students and 400 members of the faculty will join with the florists from all over the prairie state in an enthusiastic meeting. The floral display and small devices for florists' work will be exhibited in the foyer of the new Auditorium on the campus and exhibits may be sent or taken to Geo. B. Franks, Champaign, who will stage them properly.

No small part of the interest in this meeting centers in the fact that here is located the Ill. State Experiment Station and the opportunity for the florists to get in touch with its work to their future benefit. The program includes many good things among which we may mention genial Phil J. Foley, who is the big man of the state in more ways than one.

The program is as follows:

Tuesday, February 15, 2.00 o'clock.
Address of Welcome, Dr. Edmund J. James, President of the University of Illinois, Urbana.

Response, Phil J. Foley, Chicago.
Report of the Secretary, J. F. Ammann, Edwardsville.

Report of the Treasurer, Frank L. Washburn, Bloomington.

Report of the Secretary of Advisory Committee for the Illinois Florists' Experiment Station, Willis N. Rudd, Morgan Park.

Address—"The Value of the Experiment Station to the Florists, and the Duty of the Florists to the Station," Prof. J. C. Blair, Chief of Department of Horticulture, University of Illinois.

The Annual Banquet will be served at the Beardsley Hotel, Champaign, at 7.45 p. m., Tuesday, February 15th.

Wednesday, February 16, 9.00 o'clock.
Address on Behalf of the Illinois Outdoor Improvement Association, Dr. J. W. Garner, Professor of Political Science, University of Illinois, Urbana.

Address, C. L. Washburn, Chicago.
Address—"Our Work," H. B. Dorner, Associate in Floriculture, University of Illinois, Urbana.

Report of Auditing Committee; Unfinished Business; New Business; Question Box; Election of Officers; Adjournment.

The Exhibition of Cut Flowers and Novelties will be open to the citizens of

ORCHIDS ROEHRS, Rutherford, N. J.

Champaign-Urbana, to the students and faculty of the University, and to all who will accept our invitation to come, from 7.00 p. m. to 10.00 p. m., Tuesday, February 15, and from 9.00 a. m. to 12.00 noon, Wednesday, February 16.

Executive Committee Meeting.

The executive committee of the Horticultural Society of Chicago met at the Art Institute, Feb. 4th, W. N. Rudd in the chair. Geo. Asmus submitted a proposed premium list covering an outlay of \$4500 with \$200 additional for specials and \$1000 for running expenses. The whole was voted to be brought up for action at the next meeting. J. C. Vaughan was elected chairman of the executive committee for the present year. The reports show the expenses of the flower show at the Coliseum, in 1909, to have been \$10,193.00 and the receipts in round numbers to be \$12,000.00, which brings the balance on the right side and a smile to the faces of the managers of the big event.

Business and General News.

Notwithstanding the scarcity of flowers, florists are not lacking in nerve to enlarge their business. Daniel Branch who has a retail store at 315 E. 51st street, has bought out F. Radke, at 539 E. 43rd street, and will operate both stores. A new store has also been opened at 59th and Halsted streets.

The corner in the Atlas Block, so long occupied by the Benthey Coatsworth Co., was vacated last week and the buyers of flowers will hereafter find that familiar place filled with furniture.

D. D. Johnson has just returned from Grand Rapids, Mich., where he has been arranging for experiments by the Grand Rapids Greenhouse Co., with his Evergreen Brand Fertilizer, both for flowers and for vegetables. The Agricultural College at Cornell is also testing it.

Wietor Bros. will begin the work of rebuilding a range of their greenhouses as soon as the weather warms up a little.

A. Lange captured a \$500 wedding decoration at Ottawa, Ill., on the 8th.

STUART LOW & CO., late of Hugh Low & Co. dissolved, are now receiving large importations of **BURMESE DENDROBIUMS**, such as **Wardianum**, **Crassinode**, **Fimbriatum**, **Devonianum**, **Nobile Brymerianum**, **Thyrsiflorum**, etc., and will give excellent value.

Also hold very large stock of **WARDIANUMS**, **CRASSINODES**, etc., to flower **THIS SPRING**.

Also **LAELIO-CATTLEYAS**, **BRASSO-CATTLEYAS**, **ODONTOGLOSSUMS** in spike, all for Spring and early Summer flowering.

Catalogue on Application

Royal Nurseries, Bush Hill Park, Enfield, England

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, **C. Harrisoniae**, **C. Gaskelliana**, **C. gigas Hardyana** type, **Dendrobium Phalaenopsis Schroederiana**, **Odontoglossum luteo-purpureum sceptrum**.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial Cattleyas for delivery next Spring.

CARRILLO & BALDWIN,
Mamaroneck, New York,

An elaborate scheme was carried out in pink and white and a special feature was the use of many large baskets filled with flowers. The scarcity of stock made it necessary to do a little skirmishing.

The friends of Fred Strail will find his familiar face with the Bohanan Floral Co., on Monroe street, hereafter and Herbert Strong has his place at A. Lange's.

Winterson's new seed catalogue is practically complete and is to be had



DREER'S DOUBLE PETUNIAS

Our **DOUBLE PETUNIAS**, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in pots, which will quickly furnish an abundance of cuttings.

Strong 3-inch pots, 75cts. per doz., \$6.00 per 100. The set of 15 for \$1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

DOUBLE, 75 cts. per 500 seeds, \$1.50 per 1000 Seeds.

SINGLE, 50 cts. per trade pkt., \$1.00 per 1-1 1/2 oz., \$1.50 per 1-8 oz.

OUR QUARTERLY WHOLESALE PRICE LIST, issued January 1st, offers a full line of seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, Philadelphia, Pa.

ROEHRS, RUTHERFORD N. J.

PALMS, All Sorts and Sizes

for the asking. It is as usual a fine product.

At the J. B. Deamud Co.'s, there is on exhibition a handsome 9 inch loving cup with stag handles. It has this inscription: Individual Bowling Trophy for Highest Average Man, Season 1909-10. Chicago Florists League.

Mrs. Percy Jones informs us that the statement in these columns that she had taken active charge of her late husband's wholesale flower business is not correct; but that Henry Van Gelder is in charge.

Personal.

Wm. J. Smyth is happy to lay aside his crutch and cane and call himself a well man again.

Conrad Frauenfelder who was seriously ill at the time of his wife's death is now able to be about.

Roy Wilcox of Council Bluffs, Ia., was in Chicago with his bride last week. Mr. Wilcox was graduated from the Agricultural College at Cornell last year and immediately went into business with his father.

Fred Liebermann is receiving the

congratulations of his friends. He was married Feb. 3rd to Miss Clara Dick and has just returned after enjoying a short trip. Mr. Liebermann has charge of the shipping department at Vaughan & Sperry's.

Visitors—C. E. Gullett, Lincoln, Ill.; J. F. Ammann, Edwardsville, Ill.; F. L. Washburn, Bloomington, Ill.; Prof. J. C. Blair, Urbana; A. C. Brown, Springfield. C. G. Anderson, Kenosha, Wis.; F. V. Craig, representing Wm. Hagemann & Co., N. Y.; E. Amerpohl, Janesville, Wis.

See obituary column for notice of death of John Orsesky.

Shade trees grown as they should be grown, with straight stems and properly formed heads are often hard to find. There is a big demand for such from buyers who know their value, and at Bobbink & Atkins nurseries in Rutherford, N. J., particular effort is being put out in this direction, with the result that they have a remarkably handsome stock of oaks, elms, maples, lindens, etc., ready for the coming spring sales.



MARTIAL BREMOND

Martial Bremond of Ollioules, France, is the largest grower of strictly first class French bulbs in existence. His clientele is composed of the most critical buyers all over the world. They are men who have bought Bremond products for many years, and know the value of his bulbs. Horse-shoe Brand Products in French bulbs are "Bremonds" and which means that they are the best the market affords, in the various sizes offered.

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RALPH M. WARD & CO.

12 West Broadway
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REPRESENTING

MARTIAL BREMOND, Ollioules, France

Not How Cheap
But How Good



LILIES

Canadense, Superbum, Single and Double Tigers, named Elegans,

Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladoli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River
L. I., N. Y.



"IMPURE" FRUIT TREES.

A tree, as it grows in the nursery, can hardly be called manufactured goods. It is a product of nature and therefore unadulterated. But hold a bit! Under the laws of Illinois a nurseryman has been arrested for selling impure fruit trees—that is to say, trees infested with scale. That is a good law. Buyers ought to be protected from the serious menace of that costly insect. Because a commodity is a product of nature is no more justification for its sale, if infected with disease, than a tubercular cow, or doctored milk or any other disease-germ carrier. —Burlington, Ia., Hawkeye.

Seed Trade

Holyoke, Mass.—John F. Murphy, of 388 Appleton street, left New York Saturday for another orchid collecting trip to South America.

Augusta, Ga.—The N. L. Willet Seed Co., of 309 Jackson street, will move to 849 Broad street May 1st. The new store will give this company about 12,000 square feet.

San Francisco, Cal.—C. C. Morse & Co. have started a seed farm at Mt. Eden, near Haywards, and are planting it largely to onions, radishes and sweet peas, principally in the latter.

Killarney, Man.—The fifth annual seed fair and poultry show, held on Jan. 27, brought out a good show and a large attendance of farmers. Out of 37 entries only four were rejected on account of noxious seed admixture.

Augusta, Ga.—The N. L. Willet Seed Co. will remove about May 1 from 309 Jackson street to 849 Broad street. The new store will be 225 feet in length. They will have 2½ stories, with all modern facilities for business.

Carthage, Mo.—The seed and poultry supply business of the Carthage Seed Co. of 203 Main street has been sold to the Tucker Seed House of 114 Main street. The Carthage Seed Co. will continue in business with agricultural and garden implements.

Bound Brook, N. J.—A. C. Zvolanek, the sweet pea specialist, has just returned from the Pacific coast and Old Mexico. He has started sweet pea growing on a large scale, having already 168 acres in different parts of California seeded down to sweet peas, 58 acres alone in his special strain of winter flowering varieties. He will also grow mignonette, asters, cosmos and other flowers for florists' seed trade.

Toledo grain and seed interests will fight to the last ditch the two bills recently introduced in the Ohio legislature to place a penalty on the marketing of seeds containing impurities or foreign matter. Such a measure was introduced in the previous legislature, but after it had reached a point where it was near to becoming a law Toledo and other seed dealers convinced the lawmakers that the legislation was impracticable.

Richmond, Va.—A bill has been introduced in the Virginia House providing for the examination of seeds sold in the state by experts of the State Department of Agriculture. Any consumer or any dealer may send samples for inspection. All packages which do not conform to a certain standard are to be marked as to the amount and nature of impurities, and for packages improperly marked a fine is provided. This bill is indorsed by the State Board of Agriculture.

INCORPORATED.

Sturgeon Bay, Wis.—The North Western Seed Co., capital stock \$25,000. Incorporators, P. R. Cun-

Simon's Hot Weather Lettuce

Is the best firm heading variety offered today to grow through the summer months, because it will not rot underneath

It Will Not Burn or Scald in the Head and Makes A Firm Head in Hot Weather

For full description and price send for 1910 Catalogue

I. N. SIMON & SON, Philadelphia, Pa.

Formerly Market Gardeners

Growers of Seed Specialties for Market Gardeners

ningham, Wm. Berdsall, Jr., and B. J. Jellinek.

Lockland Ohio.—The Bloomhurst Floral Co., capital stock \$30,000. John Muller, incorporator.

St. Louis, Mo. The Schisler Seed Co., capital stock \$20,000. Arthur W. and Jacob Schisler, Ed. Kaercher and W. S. Essmuller.

Beverly, Mass.—The North Shore Ferneries Co., capital \$5000. F. S. White president, L. N. Pickman treasurer and James Whitman secretary.

Petersburg, Va.—The Grossman Seed and Supply Co. C. F. Grossman president, G. C. Burgess vice-president, U. S. Ivey secretary and treasurer. Capital, maximum \$50,000, minimum \$10,000.

BUSINESS CHANGES.

Clinton, Ind.—J. H. Ricketts has purchased the Sunnyside Floral Company's place.

Wheeling, W. Va.—Frank Seibert has rented the place formerly run by Edward O'Neil.

Jacksonville, Ill.—The Harry Hoffman Floral Co. will remove up to town to the Routt Building.

Montvale, Mass.—John Flood of Dedham has bought the greenhouse establishment of the David Fisher estate and will take possession in the early summer.

San Diego, Cal.—Miss Kate O. Sessions has purchased of E. F. Langford property in Grossmount Park, including many thousand carnation plants, a half acre of violets, several acres of sweet peas, etc.

SEEDS THAT GROW

Best quality Vegetable, Flower and Farm Seeds, Alfalfa, Clover, Seed Potatoes, etc. We will send free with catalog a packet of our New Coreless Tomato, the best of all tomatoes

Do not fail to try our beautiful collection of Vegetable Seeds, best 5 varieties on earth, postpaid for 40c. We also carry full line of Nursery stock.

German Nurseries, Box 236, Beatrice, Neb.

1000 POUNDS OF RHUBARB SEED 600 POUNDS STONE TOMATO SEED

This Rhubarb seed planted the following spring will produce large rhubarb clumps the following fall, just as the following. Or these roots can be kept in the field for cutting. Will exchange for Evergreens, Privet Cuttings, Privet, Shrubs, Fruit Trees. The Tomato Seed is very fine and is sold for cash.

WARREN SHINN, Nurseryman, WOODSTOWN, N. J.

GREEN Cane Stakes For Your Lilies

6 to 8 ft., \$7.00 per 1000

WM. ELLIOTT & SONS, 42 Vesey St., New York.

I OFFER CHOICE QUALITY

Early Ohio Potatoes, \$1.00 bu.; Early Irish Cobbles, \$1.00 bu.; Genuine Danish Ball-head Cabbage Seed (imported stock) \$.40 lb. All Early Radish seed (French Stock) \$.40 per lb. Northern grown Kellow or White Onion Sets, \$.25 per bu. All F. O. B. Syracuse. Remittance with order. Reference any bank in Syracuse.

F. H. EBELING, Seedsman
Established 1868
Syracuse, N. Y.

EARLY TOMATOES IN CONCRETE PLANT PROTECTORS

A tried and proven success. Keep out frost and draw heat. Equal for forcing to the famous bell jars used in France. Field trials show four times the yield, ripening a month ahead of season, and value increased 100 times. No blight or insects. Useful for lettuce, rhubarb, melons, etc. Hold water for irrigation. Patent just issued on protectors, and line wire opens or closes 100 instantly. Illustrated treatise tells how to make them quickly at 2c each, how to make molds at 25c. Also, full information about this method. Each purchaser of book has privilege to make mold and protectors. Mention this paper and send \$1.00 for book. Money back if not satisfied.

J. H. HALEY, Seed Grower, Munith, Mich.

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Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture, and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University, and other eminent teachers. Over one hundred Home Study Courses under able professors in leading Colleges.

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NEW CROP FLOWER AND VEGETABLE SEEDS FOR FORING

Asters, Salvias, Vincas, Verbenas, Stocks and Petunias, Tomato "The Don," Onion "Ailsa Craig" Mushroom Spawn—English and Pure Culture. Special prices and catalogue on application.

Seed Merchants & Growers
Weeber & Don, 114 Chambers Street, NEW YORK

Peas and Beans

If you want our growing prices for Crop 1910 please let us know.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

RELIABLE ASTER SEEDS

INVINCIBLE. A superior strain of great value to the florist for cutting; plants of branching habit; flowers of large size and perfectly double.

	Trade Pkt.	Oz.
235 Blue	\$0 30	\$1 50
236 Crimson	30	1 50
237 Lavender	30	1 50
238 Rose Pink	30	1 50
239 White	30	1 50
239A Mixed	30	1 25

IMPROVED SEMPLE'S BRANCHING (Michell's).

An improved Strain which has been obtained by years of careful selection.

	Trade Pkt.	Oz.
257 Lavender	\$0 40	\$1 50
258 Rose Pink	40	1 50
259 Shell Pink	40	1 50
260 Purple	40	1 50
261 Crimson	40	1 50
262 White	40	1 50
263 Choice Mixed	40	1 50

QUEEN OF THE MARKET (Extra Early). A well-known and desirable florists' variety.

	Trade Pkt.	Oz.
275 Dark Blue	\$0 20	\$0 60
278 Crimson	20	60
276 Light Blue	20	60
274 Rose Pink	20	60
277 Blush Pink	20	60
279 White	20	60
280 Mixed	20	60

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Lily of the Valley Pips

JUST ARRIVED.

Our usual high grade quality, also cold storage pips. Prices on application.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

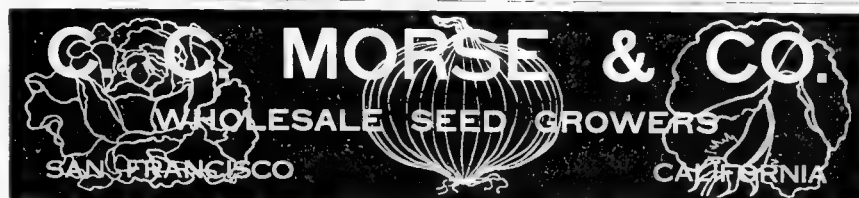
Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts. \$1.25	Oz. Tr. Pkts	
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts. \$1.25	\$5.00	.25
Phlox dwarf Fireball,	2.50	.35
" " Roseball	2.00	.3
" " Snowball	3.00	.40
" " Cecily, all shades mixed	2.50	.35
Salvia Zangen's Fireball, fine for pots early	4.00	.50
Salvia Zangen's King of Scarlets late	10.00	.50
" " Zurich, earliest dwarf	8.00	.50

For Other Seeds See My New Catalogue. IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

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RICKARDS BROS.

Props.

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Japonica, Multiflora and Floribunda

GLADIOLI, THE BRIDE, JAPANESE LILIES, LILY OF THE VALLEY

Joseph Breck & Sons Corp.
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CAULIFLOWERS CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. CREY CO.
32 South Market Street, Boston, Mass.

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Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 1910 next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

SEED for FLORISTS

TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.
Stocks, Candytuft, Salvias, etc, etc.
Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
26 & 27 So. Market St., BOSTON, MASS.

CABBAGE Wakefield and Succession.
\$1.00 per 1000. \$8.50 per 10,000.
PARSLEY 25 cts. per 100.
LETTUCE \$1.25 per 1000.
Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
CASH WITH ORDERS
R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



Stock Seed

Fiske's Branching in all colors. Tr. pkt 40c. or \$4.00.

Pure White, Tr. pkt. 5 c. oz. \$1.00. Also Beauty of Nice strains.

H. E. Fiske Seed Co., Boston, Mass.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

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**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

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Out of Town orders for Hospitals
Carefully filled.

**232 Michigan Ave.
CHICAGO**

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Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory
1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto. Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

"The Flower Shop," Pittsfield, Mass., opened for business on February 1. The affair was very successful and there was a large attendance of well-wishers.

At the funeral of General Draper, Hopedale, Mass., Gude Bros. of Washington, supplied some very fine floral work. Large quantities of orchids, lily of the valley and violets were tastefully used in tributes from the family and from the employees of the estate. Mr. Gude sent a representative from Washington to Hopedale with these flowers to insure their arrival in good condition and to see that they were properly placed.

NEW FLOWER STORES.

Cleveland, Ohio.—H. Piggott, Taylor Arcade.

Melrose, Mass.—F. O. Taylor, West Emerson street.

Oshkosh, Wis.—Oshkosh Floral Co., 116 Main street. E. P. Barnett, manager.

STEAMER DEPARTURES

Allan.

Ionian, Boston-Glasgow.....Feb. 17

Atlantic Transport.

Minnehaha, N. Y.-London....Feb. 19

Cunard.

Campania, N. Y.-Liverpool...Feb. 16

Caronia, N. Y.-Mediterranean Feb. 19

French.

La Provence, N. Y.-Havre...Feb. 17

Hamburg-American.

Pennsylvania, N. Y.-Hamb'g.Feb. 19

Red Star.

Zeeland, N. Y.-Antwerp....Feb. 16

White Star.

Baltic, N. Y.-Liverpool.....Feb. 19

St. Louis, N. Y.-Shampton...Feb. 19

Cedric, N. Y.-Mediterranean..Feb. 16

PERSONAL.

G. W. Mason, who has been foreman at the greenhouses of the Dole Floral Co., Beatrice, Neb., for the past seven years has resigned owing to ill health.

We learn with feelings of deep sympathy of the serious accident which befell our friend Frank D. Hunter, bookkeeper at J. H. Small & Sons' florist store, New York, on the night of February 3. Mr. Hunter was run down by a recklessly driven automobile when alighting from a trolley car near his home in Harlem and sustained severe internal injuries. Mr. Hunter was for many years identified with the wholesale cut flower trade of New York and is well-known to the trade of the Metropolis, among whom he has always enjoyed a well-merited personal popularity, and much regret is expressed on all sides over this unfortunate occurrence.

Visitors in Indianapolis: William Dykes of Jansen's, New York; Sidney Wertheimer, New York; Jos. E. Rolker, of A. Rolker & Sons, New York; Eugene Dailedouze, Brooklyn, N. Y.; Walter W. Coles, Kokomo, Ind.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

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In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St. NEW YORK

Our Motto—The Golden Rule

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42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems
FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsflor.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

CHAS. EBLE*Florist*

121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

MATTHEWS The FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston**WELLESLEY COLLEGE**Dana Hall, Walnut Hill and Rockridge Hall Schools. TALLBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop. \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

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Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

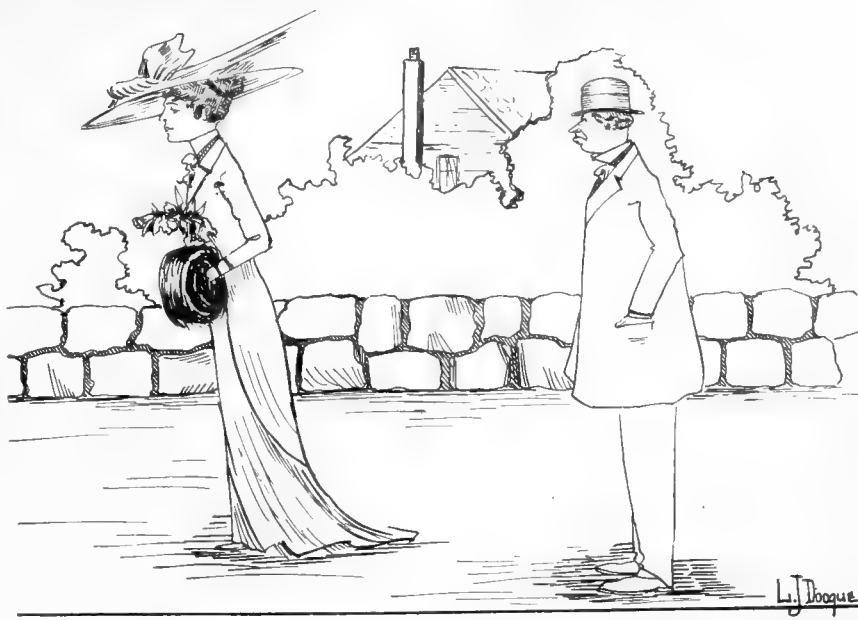
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28 STATE STREET, - BOSTON

Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."



"I always thought he was hard up. Now I'm sure of it. His wife is wearing artificial orchids."

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New Orleans, La.—Chas. Eble, 121 Baronne St.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tallby.

Glenview, Ill.—Charles A. Palm-

pren, for 17 years superintendent of the Swain, Nelson & Co. Nursery Co., will start in business here for himself in the spring. His place will be called Palmpren Nurseries and the growing of hardy, ornamental trees, shrubs, roses, evergreens, vines, fruits and hardy perennials will be followed. He will cultivate 25 acres of land.

OBITUARY.

John Orsesky.

Wietor Bros.' wholesale house, Chicago, lost one of its faithful employes, February 3. John Orsesky, when only fifteen years of age, began his work in the store seven years ago and won the respect and good-will of all by his cheerful and courteous ways. The young man was stricken with appendicitis and died before an operation could be performed. He leaves a mother, brother and two sisters. He was a member of the Florists' Bowling Club and played with the "Roses." The death occurred just before the meeting and before the members were aware of his illness. The funeral took place on Monday, February 7, at 3203 Fox street.

San Francisco, Cal.—A burglar whose passion for crime has apparently not stifled his love for flowers broke into the store of John Obertelli, a florist, at 116 Porter avenue, and stole ferns valued at \$16.

THE BEST LETTERSFOR
FLORISTS'
—USE—**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

ACACIA**PUBESGENS**

Cut Sprays of this Choice Yellow Novelty
at \$2.50 per Bunch.

CARNATIONS

Our supply in quality and quantity is hard
to beat. Try a sample shipment
of our \$3.00 Grade.

Business hours: 7. A. M. to 8 P. M.

LEO NIESSEN CO.

1209 Arch Street, - PHILADELPHIA, PA.

**To Cut Flower Growers and
Retail Florists****IF YOU**

want to find a market for your
product

want a regular or special supply
of the product of the best
growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

**CHOICE
GOLDEN SPUR DAFFODILS**

W. E. McKISSICK & BROS., Wholesale
Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N 6th Street, MINNEAPOLIS, MINN

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO Feb. 8	TWIN CITIES Feb. 7	PHILA. Feb. 8	BOSTON Feb. 10
ROSES				
Am. Beauty, Fancy and Special...	40.00 to 50.00	35.00 to 45.00	50.00 to 60.00	40.00 to 50.00
Extra.....	30.00 to 40.00	30.00 to 35.00	35.00 to 40.00	30.00 to 35.00
No. 1.....	20.00 to 30.00	20.00 to 30.00	20.00 to 25.00	20.00 to 25.00
Lower grades.....	10.00 to 20.00	10.00 to 20.00	10.00 to 15.00	10.00 to 15.00
Bride, 'Maid, Chatenay, F. & S.....	12.00 to 15.00	8.00 to 15.00	10.00 to 15.00	8.00 to 10.00
Lower grades.....	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00	2.00 to 4.00
Killarney, Fan, & Sp.....	10.00 to 15.00	12.00 to 16.00	12.00 to 15.00	8.00 to 12.00
Lower grades.....	5.00 to 8.00	8.00 to 12.00	10.00 to 10.00	8.00 to 10.00
Richmond, Fancy & Special.....	10.00 to 15.00	10.00 to 15.00	12.00 to 15.00	8.00 to 12.00
Lower grades.....	5.00 to 8.00	6.00 to 10.00	6.00 to 10.00	8.00 to 10.00
My Maryland.....	4.00 to 12.00	6.00 to 12.00	12.00 to 15.00	2.00 to 10.00
CARNATIONS, Nov. and Fan.				
Ordinary.....	2.00 to 3.00	3.00 to 5.00	3.00 to 4.00	1.50 to 2.50
	1.50 to 2.00	2.00 to 3.00	..... to 2.00	1.00 to 1.25
MISCELLANEOUS				
Cattleyas.....	..... to 50.00	35.00 to 50.00	..... to 50.00	..... to 50.00
Lilies.....	..... to 15.00	12.50 to 15.00	..... to 17.00	8.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.50	3.00 to 4.00	2.00 to 4.00
Violets.....	.75 to 1.00	.75 to 1.25	.50 to 1.00	.20 to .50
Mignonette.....	4.00 to 6.00	4.00 to 5.00	3.00 to 4.00	2.00 to 4.00
Sweet Peas.....	.75 to 1.50	1.00 to 1.50	..... to .75	.75 to 1.00
Roman Hy. Paper Whites.....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 2.00
Trumpet Narcis.....	..... to 4.00	4.00 to 6.00	3.00 to 4.00	1.00 to 3.00
Tulips.....	3.00 to 4.00	4.00 to 6.00	..... to 4.00	2.00 to 3.00
Gardenias.....	..... to 35.00	30.00 to 50.00	30.00 to 35.00	35.00 to 50.00
Adiantum.....	..... to 1.00	1.00 to 1.25	..... to 1.50	1.00 to 1.50
Smilax.....	12.00 to 15.00	12.00 to 14.00	..... to 20.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	45.00 to 60.00	..... to 50.00	..... to 50.00
" " & Spreng. (100 bchs.)	30.00 to 40.00	25.00 to 35.00	..... to 50.00	..... to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000.
Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100;
\$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest
quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, *Nephrolepis magnifica*; in
pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.

9 Chapman Place, Long Distance Phones, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD,
[CHICAGO, ILL.] FRESH STOCK.

Long Distance Phone 2758 Telegraph, Telephone or We Grow Our Own Flowers
Bring in Your Orders. Roses and Carnations Our Specialty.

Flower Market Reports

Business has dropped off very noticeably this week and it is evident that for a time at least Lent is going to make itself felt in the flower trade. At the same time the receipts are increasing on most lines. Carnations feel the cut in demand perhaps as much as any other item. Roses hold out fairly well thus far. American Beauties of the higher grades are seldom seen of late, but they are not specially called for and are not greatly missed. Violets and bulb flowers are increasing in quantity and dwindling in value.

Ash Wednesday is not likely to bring any great change in the market conditions. The amount of sales is still regulated more by the quantity of flowers than by the demand, with some few exceptions. Beauties are off crop and the few long-stemmed ones are not moving very readily. Growers state that there are indications of a good supply of Beauties in the near future, when all will share alike in a possible over-production. Other roses are about equal to the demand with a preponderance of pink, of which Killarney leads in demand. As the quantity of white roses grown is much less this year, the supply is less accordingly and many are wishing they had planned differently. Carnations are getting more plentiful and last week moved off satisfactorily, but this week sales started more slowly. Violets also are more plentiful, though there is no surplus. Tulips, jonquils and daffodils are all coming in plentifully and stocks are to be seen in a number of places. Lilies are coming along faster and all kinds of greens are in sufficient supply and of good quality.

Dull weather has prevailed throughout the last two weeks and stock along some lines continues to be scarce with an excellent demand. The supply of roses has not been nearly enough. Carnations are to be had in better quantity. All kinds of bulbous stock is to be had and finds lively sale. Lilies of both kinds are in sufficient supply to meet all demands. Beauties have been on the scarce side for the past ten days. Sweet peas, lily of the valley and orchids are much used for corsage work. The demand for potted plants has been quite heavy. Azaleas, cyclamens, primroses, and bulbous stock in pans are the popular selling varieties. There is steady call for pot ferns and table fernery stock. Greens of some kinds are scarce and frequently it is difficult to get enough to go around. Business throughout the month of January has been most satisfactory. There has not been an over-supply of anything, consequently nothing has gone to the ash-barrel.

(Reports continued on page 241)



Luxury and Exclusiveness In Florists' Ribbons

Pattern "Supreme"

Our new color for Violets, Orchids and Roses — violet shaded with white; green shaded with violet; and cattleya. Two widths: No. 7 at 65c; and No. 9 at 85c.

Killarney and Maryland Patterns

No. 7.....	\$0.65
" 16.....	1 15
" 22.....	1 35
" 40.....	1 65
" 60.....	2 35
" 100.....	2 65



Pattern Orchid

Extra quality satin taffeta; two colors: —Orchid; violet and white, No. 200 (6¾ in. wide), \$4.00.

Catalogue of Ribbons and Supplies on Request

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Feb. 8		Feb. 8		Feb. 8		Feb. 8	
ROSES								
Am. Beauty, Fan. and Sp.....	30.00	to 40.00	30.00	to 40.00	40.00	to 50.00	40.00	to 50.00
“ Extra.....	20.00	to 25.00	10.00	to 25.00	20.00	to 30.00	25.00	to 35.00
“ No. 1.....	10.00	to 15.00	6.00	to 9.00	10.00	to 15.00	15.00	to 20.00
“ Lower grades.....	10.00	to 15.00	4.00	to 6.00	6.00	to 8.00	6.00	to 10.00
Bride, 'Maid, Chatenay, F. & S.....	8.00	to 10.00	10.00	to 15.00	10.00	to 15.00	8.00	to 12.00
“ Low. gr.....	4.00	to 6.00	6.00	to 10.00	4.00	to 8.00	4.00	to 5.00
Killarney, Fan. & Sp.....	6.00	to 10.00	10.00	to 15.00	10.00	to 15.00	8.00	to 15.00
“ Lower grades.....	4.00	to 6.00	6.00	to 10.00	4.00	to 10.00	.....	to 6.00
Richmond, Fancy & Special.....	6.00	to 10.00	10.00	to 15.00	12.00	to 15.00	8.00	to 15.00
“ Lower grades.....	4.00	to 6.00	6.00	to 10.00	6.00	to 12.00	.....	to 6.00
My Maryland.....	.....	to	6.00	to 12.00	8.00	to 15.00	6.00	to 10.00
CARNATIONS, Novelties and Fancy								
“ Ordinary.....	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	3.00	to 4.00
“	2.00	to	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	.....	to .....	.....	to	50.00	to 75.00	60.00	to 75.00
Lilies.....	10.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.00	to 15.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	4.00	to 5.00	2.00	to 4.00
Violets.....	3.00	to 1.00	.....	to .....	.....	to .....	.....	to
Mignonette.....	3.00	to 6.00	10.00	to 1.00	3.00	to 5.00	2.00	to 4.00
Sweet Peas.....	7.50	to 1.00	1.00	to 1.50	1.50	to 1.00	1.50	to 1.50
Roman Hy. Paper Whites.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Trumpet Narcis.....	3.00	to 4.00	4.00	to	3.00	to 4.00	3.00	to 4.00
Tulips.....	3.00	to 4.00	.....	to	3.00	to 4.00	3.00	to 4.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	1.00	to	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	2.00	to	3.00	to 5.00	25.00	to 50.00	35.00	to 50.00
“ “ & Spren. (100 bchs.)	25.00	to	3.00	to 5.00	25.00	to 50.00	35.00	to 50.00

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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" " Extra.....	15.00	to 20.00	15.00	to 20.00
" " No. 1.....	8.00	to 12.00	8.00	to 12.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	5.00	to 10.00	5.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Killarney, Fancy and Special.....	6.00	to 15.00	6.00	to 15.00
" " Lower Grades.....	2.00	to 3.00	2.00	to 3.00
Richmond, Fancy and Special.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
My Maryland.....	3.00	to 12.00	3.00	to 12.00
Carnations, Fancy and Novelties.....	3.00	to 4.00	3.00	to 4.00
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38-40 BROADWAY, DETROIT, MICH.

NEW YORK market in bad shape. A very considerable falling off in demand has depressed prices—where sales are possible—to the vanishing point, particularly on carnations. Individual shipments of roses are not greater than last week excepting in the case of Beauties, the supply of which is larger, so that with a small demand price averages for the grower are bound to be low. The cut of carnations has increased considerably and it would seem as if buyers were passing them by—so slowly do they move. The large surplus can be unloaded only through the street people and as usual they take full advantage of the situation to squeeze the price down to the lowest figure. There is a big supply of all kinds of bulbous stock which is also hard to move. Our tabulated quotations do not reflect the actual condition of the market as there is no stability to prices.

**106 W. 28th St.
New York**

34.00	to	50.00
6.00	to	8.00
1.00	to	3.00
1.00	to	2.00
1.50	to	3.00
1.50	to	3.00
.25	to	.50
2.00	to	5.00
5.00	to	12.00
.....	to	.....
1 00	to	1 25
10.00	to	15.00
.....	to	.....
25.00	to	35.00

James Wheeler, ex-president of the Gardeners' and Florists' Club of Boston, who has been the efficient superintendent and gardener at the J. H. White estate, Brookline, Mass., for the past twenty-two-and-a-half years, has purchased thirty-two acres of land in Natick and will establish himself there as a commercial florist. He will build as a starter one carnation house, 60x100. Mr. Wheeler is the kind of stuff from which the best florists are made and we look to see him quickly take a leading position among the commercial grovers of the Hub.

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AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in., 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

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Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

Asparagus Pl. Nannus clumps, strong, \$6.00 per 100. Seeds \$2.00 per 1000. P. Mack, Orlando, Fla.

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Henry F. Michell Co., Philadelphia, Pa.
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Elmer D. Smith, Adrian, Mich.
Scientific Intense Culture Ranch, Salem, Ore.
Aster Lady Roosevelt.

AUTOMATIC SPRAYING MACHINE

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Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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BAY TREES.

2000 Bay and Box Trees in all sizes. Pyramid and Standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
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Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Joseph Breck & Sons, 47-54 N. Market St., Boston.
Dutch and French Bulbs.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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Carnations for Immediate Delivery.
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New Carnation Constant.

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Cottage Gardens Co., Queens, L. I., New York.
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Carnation Dorothy Gordon.
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George E. Buxton, Nashua, N. H.
Bon Ami.
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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracena Indivisa in 3 1/2 and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

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Coleus, 300,000 rooted cuttings, \$4.00 per 1000; 60c. per 100 by mail. Verschaffelt, Golden Bedder, Queen Victoria, Fire Brand and varieties. Cash. C. Schulze & Son, 261 Lawrence Street, Flushing, New York.

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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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J. L. Moore, Northboro, Mass.
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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias, good, strong division; all named varieties, \$1.75 per 100. C. W. Hoffman, Route 13, Dayton, Ohio.

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Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yefive, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Witmore, Box 382, Denver, Colo.

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F. R. Pierson, Tarrytown-on-Hudson, N. Y.
Select Ferns.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Evergreen Brand Fertilizer.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c.

each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirer, 6417 Carnegie Ave., Cleveland, O.

Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100, 3-in. \$4.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

GLADIOLI

E. S. Miller, Wading River, N. Y.
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Arthur Cowee, Berlin, N. Y.
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Thomas J. Oberlin, Sinking Spring, Pa.
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Gladioli. Independence, the best red in the market; also Mrs. Frances King, Giant Pink, Augusta and Groff's hybrids, genuine stock. Write for prices. Geo. S. Woodruff, Independence, Iowa.

GLADIOLI—Continued

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.
Gladioli. Send for list. Kirschhoff's, Pembroke, N. Y.

Gladioli. Independence, the best red in the market; also Mrs. Frances King, Giant Pink, Augusta and Groff's hybrids, genuine stock. Write for prices. Geo. S. Woodruff, Independence, Iowa.

Gladioli Mrs. Francis King, \$3.00 per 1000; also other choice sorts cheap. Cash. P. O. Coblenz, New Madison, Ohio.

GLASS

Boston Plate & Window Glass Co., Boston.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

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Foley Mfg. Co., Chicago.

Peky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

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GREEN CANE STAKES

Wm. Elliott & Sons, New York, N. Y.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

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Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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- Foley Mfg. Co., Chicago.
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HYDRANGEAS.

- Hydrangea Arborescens grandiflora alba.
The true large flowering forcing variety,
warranted true 2 1/2 inch pots at \$3.00 per
hundred, one year field grown strong 12
to 18 inches, \$6.00 per hundred, \$55.00 per
thousand. New Trade List ready. Write
for it today. The Good & Reese Co.,
the largest Rose growers in the world,
Springfield, Ohio.

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- Nicotide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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IRIS

- E. S. Miller, Wading River, N. Y.
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- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St.,
New York.
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KALMIAS

- Eastern Nurseries, Jamaica Plain, Mass.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
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- Julius Roehrs Co., Rutherford, N. J.
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- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield,
Mass. Dept. 8.
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LILACS

- Ellwanger & Barry, Rochester, N. Y.
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LILIES

- E. S. Miller, Wading River, N. Y.
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LILY OF THE VALLEY PIPS

- Hjalmar Hartmann & Co., Langangstraed
20 Copenhagen, Denmark.
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MATS

- Mats for hotbeds and coldframes. Not
only the most practical but the cheapest
on the market. Send for circular. J. P.
Watts, Kermmoor, Pa.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.
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NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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- New England Nurseries, Bedford, Mass.
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- W. & T. Smith Co., Geneva, N. Y.
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- Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
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- Berrydale Exper. Gardens, Holland, Mich.
New Berry Plants.
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- German Nurseries and Seed House,
Beatrice, Neb.
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- Eastern Nurseries, Jamaica Plain, Mass.
- F. W. Kelsey Nursery Co., New York, N. Y.
Nursery and Florists' Products.
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- Bobbink & Atkins, Rutherford, N. J.
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- Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.
- Ordenez Bros., Madison, N. J., Box 105.
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- Largest stock in the country. Ask for
prices. Julius Roehrs, Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

- Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.000. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

OSMUNDA FIBRE

- C. W. Brownell & Co., Walden, N. Y.
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PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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- Siggers & Siggers, Washington, D. C.
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PEAT

- Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PEONIES

- The E. G. Hill Co., Richmond, Ind.
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- PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.
- Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

- Henry A. Dreer, Philadelphia, Pa.
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PHOENIX ROEBELINI SEED

- Sander, Bruges, Belgium.
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PHOTOGRAPHS

- I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

- Geo. W. Dow, 178 Washington St., Boston.
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- PIPE AND FITTINGS
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- Buxton Doane Co., 13 Midway St., Boston.
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- Metropolitan Material Co., Brooklyn, N. Y.
- PIPE AND FITTINGS—Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

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- Bacon & Co., Appleton, N. Y.
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- Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

- Henry A. Dreer, Philadelphia, Pa.
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POT HANGERS

- Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

- Primula chinensis, 9 colors mixed, 2
inch, 2c.; Obconica Ronsderfer, Lattmanns
Hybrids, 10 colors mixed, 2 inch, 2c.; Ob-
conica gigantea, mixed, 2 inch, 2 1/2c. J. L.
Schiller, 920 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. Fink, Pottstown, Pa.

PRIVET**CALIFORNIA PRIVET.**

500,000 3-yr. plants with 12 to 20 branches, have been transplanted once and cut back 2 yr., \$4.00 per 100; \$37.50 per 1000, packed. Will make a good, close hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr., \$3.00 per 100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched, \$2.00 per 100; \$17.50 per 1000, packed. 500 to 1000 rate. Cash with order. John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Crimson Rambler.
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The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

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Aster Seed. Not wonderful, but fresh, reliable seed of all the finest florists' varieties. Send for list. Lady Roosevelt \$4.00 per oz. R. E. Huntington, Painesville, O.

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John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Slipp, Wis.

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TEMPERATURE ALARMS

National Clock & Electric Mfg. Co., St. Louis, Mo.

THYME

Thymus citriodorus aureus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild Plant Improvement Gardens, Santa Ana, Cal

TRITOMAS

Tritoma Pfizerii, red hot poker plant. \$6.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLETS.

B. S. Slinn, New York, N. Y.
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Violets, rooted runners, Campbell, California, \$1.00 per 100. John A. Burns, Frankford Ave., Holmesburg, Phila., Pa.

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William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.
Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

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CATALOGUES RECEIVED.

George S. Woodruff, Independence, Ia.—"The Gladiolus, Including Groff's Hybrids and Other Best Sorts."

Wagner Park Conservatories, Sidney, Ohio—Special Bargain Offers in Palms, Ferns, Roses and Hardy Plants.

Henry A. Dreer, Philadelphia, Pa.—Market Gardeners' Wholesale Price List. "Reliable" vegetable and flower seeds, garden requisites, implements, fertilizers, insecticides in full variety are listed and well illustrated.

Champion City Greenhouses, Good & Reese Co., Springfield, Ohio—Spring Trade List for 1910. This catalogue, issued for florists, nurserymen and dealers only, covers the field of roses and young greenhouse stock quite fully. It holds good till April.

J. L. Moore, Northboro, Mass.—Catalogue and Price List of Dahlias and Gladioli for 1910. A reproduction of a vase of dahlias in many colors makes a sparkling cover picture. The list is a good one and the planting directions are concise and practical.

Schlegel & Fottler Co., Boston.—Seed Catalogue for 1910. 7x9 size, covers in soft grey tints, showing sweet peas on one and Full Measure bean on the other. A well-arranged, well-painted and readable catalogue of carefully selected varieties in flower and vegetable seeds, bulbs and perennial garden material.

E. G. Hill Co., Richmond, Ind.—The well-known name of the house and a superb cover page portrait of the Lyon Rose on this 1910 spring list will be sufficient inducement to turn over the pages and peruse the contents. There are some roses portrayed on the inside pages in half-tones of rare finish. New roses, carnations, chrysanthemums and geraniums are fully listed.

Welch Brothers, Boston, Mass.—Wholesale Price List of Florists' Supplies. This well-known firm has in this publication, placed before the florist trade a production that will compare favorably with any similar catalogue published. It is printed on heavy coated paper, freely illustrated, and furnishes a very complete list of the thousand and one daily requisites of the modern florist.

Stumpp & Walter Co., New York City.—Seed Catalogue for 1910. This is one of the standard lists of the country and it is fully up to expectations. Hohenzollern asters have the place of honor on the title page, in modified tints and beautiful of outline. Printing and arrangement of the contents are "all to the good" and no extraneous or superfluous matter encumbers the reading pages.

Henry F. Michell Co., Philadelphia, Pa.—Michell's Wholesale Price List for Florists and Market Gardeners—The name of the concern back of this catalogue gives it a standing which we can hardly enlarge upon. As a wholesale catalogue on live goods it is inimitable and nobody doing business as a florist or gardener should lose any time before sending for a copy and then giving it a careful reading.

H. E. Fiske Seed Company, Boston.—1910 Catalogue and Price List of Seeds, Bulbs, Plants and Poultry Supplies. An admirable production—especially so for a young firm. But this

young firm is rapidly growing in strength and lustre and a host of friends, including HORTICULTURE, are glad to see it move up into the front rank. The catalogue in question bears evidence of careful industry backed by that indispensable qualification—"knowing how."

D. Landreth Seed Co., Bloomsdale Seed Farms, Bristol, Pa.—The 1910 catalogue of this well-known firm reminds us on its cover page that it is in its 126th year. The make-up of the book shows that the time since 1784 has not been wasted by the Landreth people, but that they are well in touch with a goodly section of the people who want to buy seeds. We hope before long to help them still further on this commendable course by introducing them through our advertising columns to a few more whom they do not yet reach.

Holler Brothers Co., New Castle, Ind.—"The Roses of the Garden." A seductive title which it would be difficult to improve upon as a selling phrase for the goods which this firm offers. The covers are handsomely adorned with rose portraits in natural colors, inside as well as outside, the subjects being American Beauty, Robert Hiller, Climbing Killarney and Jeannette Hiller. The pages are profusely illustrated and the text matter is bubbling over with the sentiment and expression which inspires the reader and makes him an enthusiastic purchaser.

DURING RECESS.**Twin City Bowlers.**

On Jan. 27th the first tournament of the season was played in Minneapolis. Scores were as follows:

MINNEAPOLIS.			
Th. Wirth.....	127	165	155
L. Boeglin.....	150	116	119
E. Meyer.....	150	169	123
K. E. Carlson.....	140	150	146
C. N. Ruedlinger.....	144	176	192
H. Will.....	134	137	146
C. A. Bossen.....	90	121	146
	935	1034	1027
ST. PAUL.			
S. J. Dysinger.....	158	111	138
Ch. Hangan.....	107	138	164
Will. Swanson.....	154	134	152
Leo Hermes.....	115	126	150
Henry Puvoel.....	153	153	142
O. J. Olson.....	145	189	227
Christ. Hansen.....	92	174	119
	924	1025	1092

Minneapolis won 2 out of the 3 games. O. J. Olson from St. Paul made the highest score of the evening, 227.

The St. Paul brethren felt so badly after the first bowling tournament that they sent a challenge to Minneapolis the very next day. The games were rolled on Feb. 2 at the Court House alleys in St. Paul. The scores are as follows:

ST. PAUL.			
Dysinger.....	175	175	119
Hangan.....	132	157	142
Puvoel.....	132	107	122
Hermes.....	154	118	125
Swanson.....	183	153	150
Olson.....	177	157	137
	953	867	796
MINNEAPOLIS.			
Wirth.....	141	95	134
Meyer.....	122	138	150
Will.....	183	126	141
Boeglin.....	139	87	130
Carlson.....	186	139	135
Ruedlinger.....	148	115	186
	869	700	876

St. Paul won 2 out of the 3 games, so the two clubs are even again. From latest reports we understand that the pulses and tempers of St. Paul bowlers is about normal again.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—An assistant in greenhouses on private estate. Apply by letter to Thos. J. Grey Co., 32 South Market St., Boston.

SITUATIONS WANTED

SITUATION WANTED

As manager for gentlemen's place, public institution, park, cemetery, etc.; practical experience in all branches; reference, first-class. Address with particulars, C. L., care Joseph Linfoot, 1015 E. McMillan St., Cincinnati, O.

WANTED—A position under a good gardener in a private establishment by a respectable young man, aged 23 years, five years' first class experience. Address T. A. H., 17 Everett St., Wellesley, Mass.

WANTED—Situation as grower in private or commercial place, or as salesman for wholesale plant or flower growing establishment. Have had many years' experience in all the above lines and can furnish satisfactory references. Address P. B., care Horticulture Pub. Co., Boston.

SITUATION WANTED by German experienced in roses, carnations, chrysanthemums, orchids, stove and bedding plants; also vegetables under glass and all out door work. Familiar with handling help. Wishes position on large private place March 1st, 1910, or before. First class references. Please state full particulars. Address O. S., care HORTICULTURE.

SITUATION WANTED—By rose and carnation grower; 13 years' practical experience; capable of taking full charge. Address W. H. Clump, General Delivery, Jamestown, N. Y.

FOR SALE

GREENHOUSE FOR SALE—In Bridge-water, built in 1907, size 30x100, with head house attached. Kroeschell hot-water heater. One-half acre land and adjoining land can be bought. Would sell house for removal. A. H. Hobart, Bridgewater, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—One 10 section Furman boiler used three seasons, good as new, \$150. One 9 section Furman, two years old, number 209, \$125; also one large 8 section Lord & Burnham, excellent condition, \$125. One small upright Spencer boiler to heat about 2000 ft. of glass, price \$55. This boiler was bought new last March. Also have one 10 h. p. upright steam boiler and 4½ x 2½ x 4 steam pump price for both \$80. Guaranteed O. K. and in good working order. M. Tomback & Co., Sparkhill, N. Y.

bright pleasing pink, fine size and grand stems—also a good keeper. Orders have been coming in to Mr. Ford very liberally from all over the United States and also some from abroad.

Visitors this week: Mr. and Mrs. W. C. Langbridge, Albany, N. Y., on way to and from the Cannery Convention at Atlantic City; William Bester, Hagerstown, Md.; M. C. Ebel, of Aphine Mfg. Co., Madison, N. J.; W. J. Stewart, Boston; Chas. Schoenhut, Buffalo, N. Y.

PHILADELPHIA NOTES.

The new carnation Sangamo was exhibited here recently by A. C. Brown, Springfield, Ill. S. S. Pennock says it has all the earmarks of a good commercial sort.

M. Rice & Co. are erecting a new story on their six-story warehouse at 1220 Race street. More progress. No one is more astonished than Mr. Rice at the rapid increase of the business.

Wm. H. McKissick & Bros. point with pride to their Jardine roses and defy any other concern to show the same good quality. These are grown by Stephenson who made such a big hit with this variety last season.

A variegated *Dracaena indivisa* "Prince Albert" is a feature at Pepper's and is highly spoken of by Wm. Robertson, the gardener. Well done specimens of variegated *Asparagus Sprengeri* are also to be seen here.

The Frost & Bartlett Co., of Arlington, Mass., tree sprayers, pruners and doctors, have established an agency in this city under the management of C. L. Flint. The latter gentleman is highly recommended by Jno. A. Pettigrew, Boston's Park Superintendent, and others.

Wm. Kleinheinz, superintendent of the Widener estate, recommends among the newer sweet peas for forcing, Governor Fort, a lovely shell pink self, and Mrs. Haman, pink edged with bright ruby. A scarlet seedling carnation of great promise raised by Mr. Kleinheinz, is in fine shape here at present, as is also Craig's new white "Norwood."

The crested cyclamens to be seen on the Newbold place at present are the best of this type we have noted as yet. The flowers are of the grandiflora rather than the giganteum type, round and symmetrical, standing straight up, quite unlike the usual straggly habit of other crested forms. Messrs Logan and Batchelor have a good thing in this.

C. S. Ford had on exhibition at the Pennock-Meehan Co.'s on Monday a fine lot of the new carnation Constant, raised by William Bester of Hagerstown, Md. It is a lovely color a

VINES, PEACHES, NECTARINES, GLOXINIAS.

Editor HORTICULTURE:

Can you please give me a little information on the following subjects? I have a $\frac{3}{4}$ span house running east and west, large span to the south. This house is 150 feet long. I want to section it off into three houses of 50 feet each. My intention is to grow Colman and Black Barbarossa grapes in one section, Muscat of Alexandria grapes in another and have the third for a general fruit house. Can I grow peaches, nectarines and figs in this third house? Also give a little information in regards to making borders for the grapes, etc.; how deep should they be? This house is 20 feet wide. Could I have grapes on the back of the first two houses, also what mixture of compost should I use?

What size gloxinia bulbs would you advise me to buy so that I could have nice flowering plants in 6-inch pots?

Any information on the above will be highly appreciated.

"SUBSCRIBER."

In reply to the inquiry of a subscriber who has a $\frac{3}{4}$ span fruit house 150 feet long, 20 feet wide, facing the south and divided into three equal lengths, two of those sections being intended for the growing of grapes, the border for this should be prepared as follows. Remove all inside soil to the depth of three feet, also from a strip two feet wide all along the immediate front outside, being careful to slope the bottom so that water will be carried off; then fill in the bottom with a layer of lime rubbish, broken up bricks, or anything of a porous nature that will provide good drainage. This layer should be 6 to 9 in. deep. Then fill in the space to the level of the ground with the following compost. For six cords of fibry loam roughly chopped up, add one cord of well rotted cow manure, $\frac{1}{2}$ cord lime rubbish, 150 lbs. bone meal and 150 lbs. half-in. bone. Mix all together thoroughly. The outside border should be extended yearly with a richer material as the roots require. The vines should be planted so that the upper part of the roots will be about 2 in. under the surface. You could not have first-class grapes from vines planted in the back of this house, as they would be too much shaded with the front ones. Nectarines or peaches of early varieties would be more suitable for the reason that the fruit of these would be in a more advanced stage before sun is shut out. The writer has grown nectarines under similar conditions the last eight years and with good results.

The third section of this house would be suitable for growing peaches and nectarines together, planted in both front and back borders, and the compost recommended for the grape border will be suitable, leaving out all the manure and half the bone.

Figs require a higher temperature than peaches or nectarines for best results, but as they are not at all fastidious and adapt themselves well to pot culture, we would advise trying them in this way with the above.

Gloxinia bulbs of one-and-a-half-inches in diameter will, if properly treated, make good plants of a size suitable for 6-inch pots same season.

J. R.

POTASH

Profit, not Necessity, is the Test

Why did you buy fine farm machinery, improved live stock and seed, and the best varieties of fruit? Because the man who sold them to you convinced you that they would pay. Proceed on the same basis when you buy fertilizer. Get the improved fertilizer—the kind with enough Potash in it to make a balanced plant ration. Your dealer would get it for you if he knew that you wanted it. For grain, use 6; for corn, 8; and for roots, fruit and truck, 10 per cent. of Potash in the fertilizer. If your dealer has not such brands, get him to buy some Potash salt for you and put it in the goods yourself.

To increase the Potash one per cent. add two pounds of muriate or sulfate of Potash, or eight pounds of Kainit to every 100 pounds of fertilizer.

Potash Pays Urge your fertilizer dealer to carry Potash Salts in stock. He will have no trouble in buying them if he will write to us about it.

Write to Sales Office:

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Continental Building

Baltimore, Md.

DON'T SPRAY IN TOO COLD WEATHER.

As the effect of climatic conditions on spraying in general is so little understood, and as a great many fruit growers try to spray in the winter months when work is slack, a word of caution just now will not be out of place.

Spraying for scale may be done any time after the leaves drop in the fall until they begin to open in the spring, providing the weather is not too cold and the material can dry on the trees before freezing. Many people, however, suppose this can be done when water on the ground does not freeze. This is a mistake, for rapid radiation on a clear day may force the temperature of the woolly fruit-bud down six or eight degrees below freezing point; so it is really unsafe to spray fruit trees, especially the peach, when the temperature is below 40 degrees Fahrenheit, no matter what the material used may be. I believe that in every instance where I have investigated fruit-bud injury, it has been found that the spraying was done in very cold weather.

The following clipping was taken from Green's Fruit Grower, April, 1909:—

"The freezing of the leaves and buds on clear spring nights when the air temperature is above freezing point has been superstitiously looked upon as an effect of the moon's light. An English experimenter finds that, while all objects have the temperature of the surrounding air on cloudy nights, rapid radiation may produce a difference on clear nights, and a piece of cotton proved to be at times six and even eight degrees colder than the air. Plants may be similarly chilled below freezing, with the air above.

"A few years ago the writer was on a fishing trip in Vermont and two nights in succession his bathing suit was frozen stiff on the line, while vegetation was uninjured. They were bright moonlight nights. Had the weather been cloudy, it is doubtful if this would have happened. It is ad-

visable, therefore, for fruit growers, who spray in the winter time, to watch their thermometers."

B. G. PRATT.

ARKANSAS STATE HORTICULTURAL SOCIETY.

That the work of the State Horticultural Society is of state-wide value, both in building up the fruit-growing and allied interests and in conserving these important resources in Arkansas, and that as such it deserves some assistance from the state is set forth in a comprehensive resolution before that body by Col. Leroy Palmer, of Fayetteville. The resolution calls for an appropriation of at least \$5,000, to be used in assisting the society in its work, and asks that the president and executive board see that the needs of the society along this line are properly placed before members of the legislature at the forthcoming session.

The D. D. Johnson Company, of 64-66 Wabash avenue, Chicago, whose advertisement of Evergreen Brand Fertilizers has, no doubt, attracted the attention of our readers, are making rapid progress in arranging for the sale of their product through the jobbers and dealers throughout the country. They assure us that it is their aim to distribute the fertilizers through these trade channels exclusively, and that all orders which they receive direct will be turned over to the dealers in their respective territory. This promise of protective co-operation with the local dealers should inspire a reciprocal interest on the part of the jobbers, seedsmen and others and, we doubt not, will go far towards increasing the demand for and sale of Evergreen Brand Fertilizers.

PRATT'S "SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance." B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

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144 sheets.....	3.50
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OVER 40% NICOTINE

By far the
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JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

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AND
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THE ORIGINAL NICOTINE
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Evergreen Brand Flower Fertilizer

Is fine plant food, immediately available.

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

D. D. Johnson, 64-66 Wabash Ave., Chicago.

Write for further information

**The Mastin Automatic White-wash and Spraying Machine
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The tank is made of galvanized sheet steel, and in brass.

The pump is of brass throughout, simple and powerful.

The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.

All parts are made to gauge, and may be had for repairs.

Just the thing for distributing liquid fertilizer in greenhouses.

Ask your dealer about our **EXTENSION HOSE, EXTENSION RODS, and the MASTIN WHITE-WASH NOZZLE** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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CHICAGO, ILL.**New Chicago Sprayer**

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are sold by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave.,
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Shredded or Pulverized**

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
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Which Spray Pump

shall you buy? Buy the Spray Pump that fully meets the demands of the Government Agricultural Scientists and all practical Fruit Growers. These pumps are widely known as

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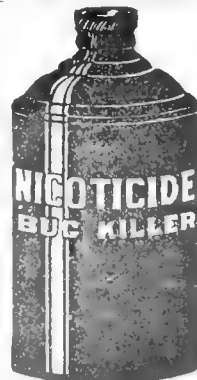
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50 lbs., 1.75
100 lbs., \$ 3.00
500 lbs., 14.00
1000 lbs., \$27.00
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**The Best
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CHICAGO, ILL.

FIRE RECORD.

Canton, O.—L. S. Sanborn's store was completely gutted by fire recently.

Colorado Springs, Colo.—Fire destroyed the barn of Frank Crump, florist, recently; loss \$1,000. Four valuable horses were rescued.

Greenspring, O.—Fire damaged the Unser greenhouse and stock January 27th; loss covered by insurance. Buildings will be repaired at once.

Orange, N. J.—Fire damaged the greenhouses of Frederick C. Read, 18 Chapel street, to the extent of \$1,000, on the night of Jan. 30. There was no insurance on the property.

Greenwich, Conn.—Greenhouse, barn and other buildings on the estate of H. Durant Cheever, were destroyed by fire on February 7. The fire department had a strenuous two-hour fight to save the villa.

Santa Rosa, Cal.—An explosion in the heating plant of the greenhouses owned by Rudolph Spreckles at his country home near Glen Ellen, caused a fire which resulted in the damaged amounting to \$5,000. The greenhouses and the keeper's room were entirely destroyed.

NEWS NOTES.

Kennebunk, Me. J. O. Elwell is having his greenhouses wired for electric lighting.

Newtonville, Mass.—Frank Y. Orcutt has purchased of Frank Amidon his greenhouses at 41 Brooks avenue and will continue the business.

Grand Rapids, Mich.—The new greenhouse of Wencel S. Cukerski, West Fulton street and Valley avenue, is completed and being stocked. Shrub shipments from France have been ordered, to start his nursery in Walker Township next April.

The University of Wisconsin is now building four greenhouses, each 20x100, at Madison, Wis. The greenhouses are for the Horticultural Department and will be in connection with a small laboratory building. It will be occupied by the schools of Applied Plant Physiology and Pathology, as well as Horticulture. It is intended later to build a laboratory of good size for the Horticultural Department in the immediate vicinity of this building. The greenhouses are for practical use and not for show purposes.

GREENHOUSES BUILDING OR CONTEMPLATED.

Salina, Kans.—Ed. Tatro, four houses.

Chicago, Ill.—Wietor Bros., range of houses.

El Paso, Tex.—Potter Floral Co., two houses.

Champaign, Ill.—Thomas Franks & Son, additions.

Indianapolis, Ind.—Albert Kempe, carnation house.

De Kalb, Ill.—J. Leonard Johnson, one house, 21x120.

Columbus, Ohio.—J. H. Williams, one house, in spring.

Westboro, Mass.—William Gardner, one large house, in spring.

Kalamazoo, Mich.—Insane Asylum, one house, to cost \$3,500.

Wellston, St. Louis, Mo.—Martin Hecht, house, 32x100 ft., in spring.

Worcester, Mass.—John Coulson, Main street, greenhouse, 20x50.

Waban, Mass.—Wheeler & Co., Beacon street, one large house, in spring.

St. Louis, Mo.—Wensel & Hecht, Anglum, three houses, each 27x100 ft., in spring.

Alliance, Ohio.—Lamborn Floral Co., enlargement of their plant and other extensive improvements.

Cohoes, N. Y.—The new house, 22x100 ft., to be built here by F. Fennell in the spring and which was reported in our last issue, makes a total of four houses devoted to bedding plants and carnations.

Roslyn, Pa.—Victor Groshens has received the building material for a new house, 42x500 ft. This addition makes four houses, covering an area of 53,000 square ft., all of which will be devoted to rose growing.

Marysville, Calif.—J. W. Evans, Jr., has leased the Karr property and greenhouses for a term of years. Mr. Evans intends to raise cut flowers, seeds and plants and proposes to erect a large greenhouse at an early date.

Rhinebeck, N. Y.—J. Vonder Linden, four violet houses, each 16x200. Mr. Vonder Linden now has the largest violet growing establishment in the Rhinebeck section and probably the biggest in this country, nine large houses altogether.

Elwood, Ind.—F. W. Blubaugh has just completed a new iron frame house, 25x125, this being his third, and two more of this type are contemplated for the near future. Vegetables are the main crop, but the establishment will be merged into cut flower growing as quickly as possible. One quarter of the new house is devoted to sweet peas, which are now beginning to bloom finely.

Spokane, Wash.—The Spokane Canal Company has been made defendant in a suit by the Van Holderbeke Nursery Company, which sues for damages of \$28,360 for loss of nursery stock by reason of the company failing to furnish water according to contract.

DREER'S Florist Specialties
KEYSTONE CEDAR PLANT TUBS



Diam.	Each.	Dos.	100.
A 11 in.	.65	7.15	55.00
B 12 1/4 "	.75	8.25	65.00
C 13 1/4 "	.85	9.35	75.00
D 14 1/4 "	1.00	11.00	90.00
E 15 1/4 "	1.25	13.75	110.00
F 16 1/4 "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches,	.30	3.50	28.00
11 "	.30	3.50	28.00

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Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/4 " " " 5.25	120 7 " " " 4.20
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800 3 1/4 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
456 4 1/4 " " " 5.24	24 11 " " " 3.60
320 5 " " " 4.51	24 12 " " " 4.80
210 5 1/4 " " " 3.78	6 15 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

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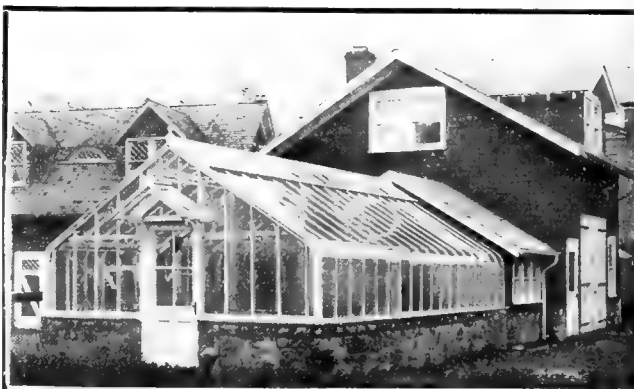


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Plant Novelties From China

If there is one plant more generally planted than another in this neighborhood it is *Berberis Thunbergii*, a native of Japan, and for all round general usefulness a plant hard to beat. Whether any of the new Chinese Barberries will excel this favorite is difficult to say, but in any case there is room for a little more variety. This family is very rich in species in eastern Asia and in China alone some 40 species occur. A goodly number of these are now in cultivation and the near future should see several added to the list of useful, ornamental shrubs. Among the deciduous species one of the very best in the whole family is undoubtedly *B. Wilsonae*. This novelty is an elegant, dwarf-growing shrub 2 to 3 ft. tall, with decumbent, very spiny branches and narrow, wedge-shaped leaves, $\frac{1}{2}$ to $\frac{3}{4}$ inch long. The flowers are golden-yellow produced in dense, axillary clusters in late July and early August and are speedily followed by masses of bright coral-red, globose berries. The autumnal tints in this plant are very fine excelling in brilliance those of any other Chinese Barberry known to the writer. *B. Wilsonae* is very free-growing and fruits freely in a small state. It is eminently suitable for rockeries, edges of borders, etc., etc., and is fond of sun.

As a flowering shrub in particular the most remarkable of all the Chinese Barberries is *B. polyantha*, a new species not yet in commerce. This plant grows 5 to 10 ft. tall, erect and much branched in habit; the leaves are about an inch long, stout, obovate with cuneate base, the flowers are rich, clear yellow, freely produced in pendulous, lax panicles 6 to 9 inches long; the fruits are oblong, dull salmon-red with pale glaucous bloom. With its large panicles of golden flowers this plant is wonderfully attractive and very unlike in appearance any other known species.

Both the above Barberries are native of the uplands of the Chino-Thibetan borderland at elevations between 6,000 and 10,000 ft. and there is scarcely a question of their complete hardiness in and around Boston or indeed any other place where *B. Thunbergii* can be grown.

One of the most strikingly ornamental plants in central China above 4,000 ft. altitude is *Staphylea holocarpa*. This species forms a sparsely branched bush 10



SCHIZOPHRAGMA INTEGRIFOLIUM

to 20 ft. tall or more rarely a small tree 20 ft. or more high. The flowers are white or pale rose-pink, delicately fragrant, borne in large, pendulous, cymose panicles which are produced in profusion in May before the leaves. The leaves are large, glaucous-green, usually 3, very rarely 5, foliolate. This plant frequents the margins of moist woods and thickets and from a distance when in flower suggests a cherry bush. In size and color of flowers and in its ornamental character generally this new species is very superior to the other members of its family and from its behavior under cultivation to date bids fair to be quite as hardy as our native *S. trifolia*. The writer regards *S. holocarpa* as one of the very finest plants he has been privileged to introduce into cultivation.

In *Celastrus latifolius* we have a plant very different in habit and general appearance to the well-known *C. articulatus*. This new-comer is a strong growing plant, forming bushes 10 to 15 ft. tall and as much through with arching branches and large, more or less ovate leaves: the fruits are produced in pyramidal panicles, 6 to 9 inches long, at the ends of the branches of the current season's growth. The fruits are larger than those of *C. articulatus* with deep, golden-yellow valves and a rich, orange-red aril enclosing the seeds. Like other members of this family the plants are of one sex only and care must be taken in planting to secure both sexes.

Schizophragma hydrangeoides, though an old plant, is rarely seen in cultivation the plant usually grown under this name being *Hydrangea petiolaris*. In growth these two plants are almost identical, hence the confusion, but in flower *Schizophragma* is readily distinguished



BERBERIS WILSONAE

in having flat, ovate, white bracts, instead of sterile flowers surrounding the inflorescence. It is to these bracts that the plant owes its ornamental value which is much greater than that of the climbing *Hydrangea*. In China several species of *Schizophragma* occur, all of them dwarfer in habit than the Japanese *S. hydrangeoides*. One of the finest of all, and the only Chinese species at present named, is *S. integrifolium*. In manner of growth this plant and its relatives behave in a similar way to the common ivy. After creeping over rocks for a year or so it grows up into an erect branching bush 5 to 8 ft. tall and then flowers. The flowers are borne in flat corymbs, a foot or more across, and partially surrounded by numerous, ovate, more or less pointed, white or creamy-white bracts, each $1\frac{1}{2}$ to $2\frac{1}{2}$ inches long and $\frac{3}{4}$ to 1 inch across. These bracts persist till late in the season, becoming pinkish and ultimately brown with age. The Chinese members of the family are all sun-loving plants and one and all are extremely ornamental and easily grown.

The *Ribes* family is, generally speaking, more useful than ornamental and the new *Ribes longeracemosum* is scarcely an exception. This plant is simply a black-currant with simple, pendulous racemes of flowers 15 to 18 inches long! The fruits are jet black, about the size of an ordinary black-currant and of good flavor. The fruits are scattered thinly down the raceme, but if this plant was crossed with some of the better varieties of garden black-currants great things might result. Hybridizing amongst hardy shrubs, save in a few families, is only in its infancy and the near future will see vast expansion and improvement in this work. When one thinks of the wonderful work accomplished in a few families by Mons. Lemoine alone, one marvels that others do not launch out on new lines in this field instead of devoting themselves to following in the footsteps of others.

S. W. Wilson.

Dieffenbachia

In a recent number of *HORTICULTURE* Mr. Farrell in his notes mentioned this genus as worthy of propagation by the florist. It might be well to enter a little more into the usefulness and requirements of these noble looking, evergreen, tropical plants. They are natives of tropical America; and it is said there are only about half-a-dozen species of this genus, but there are quite a number of fine varieties which are very ornamental when blended with other foliage decorations and, for this purpose, the trade ought to grow them largely. To use an everyday expression, "they stand the racket." Their handsome well-formed leaves have curious blotchy markings, and I have heard people ask if they were real or if paint had been dropped on them. The broad leaved varieties make fine single-stemmed plants for jardinieres, and they keep in good condition for a long time if watered with care and kept in a temperature around sixty degrees.

When *Dieffenbachias* are grown for exhibition they are generally grown in large pans or shallow tubs, several plants being placed about three inches apart in each receptacle. The narrow leaved varieties, especial-

ly, should be used in this manner, as they have a rather leggy appearance when grown singly in pots, and when grouped in this manner they make a handsome specimen. These plants may be also used for subtropical bedding in summer. If a bed of this kind is desired in a shady corner, they look well among ferns and other shade-loving plants, care being taken to have them well hardened off before being planted out. Pot grown plants come in handy for filling up dark corners of piazzas during summer and, if one has a vase to fill in a rather shady corner of the lawn, one of the broad-leaved varieties makes a good centre plant for it.

Dieffenbachias are propagated by top cuttings and suckers; the stems also may be cut into two-inch lengths and planted in a cutting bed, with a good bottom heat. In a short time the buds at the joints will start into growth and throw out roots when they may be potted into small pots and shifted along into the size required or grouped in the manner described above. In cutting up the cane great care should be exercised on the part of the operator as it is said that if the sappy juice is conveyed to the mouth it causes intense pain and dumbness.

These plants are not at all fastidious about what they are grown in, provided the material is good and open. A good compost is, equal parts of good rough fibry loam, rather flaky leaves, and dried cow manure, with sand enough to make it feel gritty. A little charcoal may be also added to keep the soil sweet. The pans or pots they are grown in should be well crocked, as these plants though they like a moist atmosphere do not like wet feet. Frequent syringings are necessary to keep red spider in check. The "Stott Nozzle" is an ideal implement for this object and cannot be too highly commended for syringing purposes.

A few good varieties to grow are *Dieffenbachia amoena*, *D. Carderi*, *D. Chelsoni*, *D. Jenmani*, *D. Leopoldi*, *D. magnifica*, *D. majestica*, *D. nobilis*, *D. regina*, *D. rex*.

George F. Stewart.

British Horticulture

IN THE POLITICAL ARENA

The even tenor of business has been upset during the last few weeks by the excitement and turmoil of a general election. There were several leading actors in the stirring scenes well known in the horticultural world. Prominent, of course, was Mr. Joseph Chamberlain, a veteran statesman and Tariff Reform leader, who for many years has had one of the finest collections of orchids in the country. Ill health has prevented Mr. Chamberlain from taking an active part in the fray; it was a sportsmanlike act, under the circumstances to allow him to be returned a member of Parliament without opposition. Not so fortunate was Sir Albert Rollit, the versatile president of the National Chrysanthemum Society, who contested the Epsom division. Sir Albert had changed his political views, and this may have had some effect in a hostile direction. A similar disaster befell the candidature of Mr. A. Cross, who is a member of a well known firm of Glasgow seedsmen. During the closing months of the last session he changed over from one side of the House of Commons to another, but this alteration has not been endorsed by his constituents. The distributive side of the market growing industry

had a champion at the polls in the person of Mr. Geo. Jackson, a vice-president of the National Federation of Fruit and Vegetable Trade Associations. There are certain railway grievances which the trade desire to see adjusted. Mr. Jackson, although making a good fight was at the bottom of the poll. Although these electoral fights create scenes of animation and put money in the printer's pocket the horticultural trade generally is depressed by the upsetting of the normal routine of business.

A NEW SWEET PEA SOCIETY

In recent years the cult of sweet peas has made great strides in Scotland, owing to the enthusiastic work of such growers as Messrs. Malcolm and others. The results obtained at the various shows indicate that a very high cultural standard has been reached north of the Tweed. A movement is now on foot to start a Scottish Sweet Pea Society, and the project is receiving the support of several of the principal growers. This is not intended to be in any way hostile to the existing society, but it is felt that an organization in Scotland would be more effectual in fostering an interest in this particular flower than an association in London—some 400 miles away. Should the proposal meet with sufficient support it is intended to hold an annual show in Edinburgh—a very favorable centre for an enterprise of this character. There are several important seed houses in Edinburgh which will be likely to give their hearty co-operation to

the new Society. After all, it is in the interests of the trade to give the fullest support to a Society of this character, for the greater popularity given to the growth of sweet peas the better it will be for the trade generally. This has been one of the results of the very successful National Society, whose shows and publications have given an immense impetus to the culture of the flower with a resultant benefit to the trade. Judging from the number of catalogues which are being sent out by firms who make a specialty of sweet peas there is no diminution in the popularity of this fragrant annual.

ITEMS OF INTEREST

Steps are being taken for the amalgamation of the Scottish Horticultural and the Royal Caledonian Horticultural Associations.—The Royal Horticultural Society will hold a special bulb show on March 8 and 9.—The death has taken place of Mr. John Watkins, a well known Herefordshire fruit grower.—A new company has been formed to carry on the wholesale seed business of Messrs. Watkins and Simpson, of Tavistock St., Covent Garden, London.—Although we are supplied very thoroughly with gardening papers there is a rumor of a London publishing house contemplating an addition to the existing number.

London.

W. H. Adsett.

Nemesia strumosa Suttoni

This handsome summer annual was introduced to the trade at large by Sutton & Sons, Reading, England, in 1888. In the United States it is only in recent years that it has become known here and there. The original form, of freely branching habit of growth, reaches a height of from 14 to 18 inches. The small opposite leaves, lanceolate, remotely serrated, thinly covering the branches, pass the fleeting glance almost unnoticed. Not so, however, the great profusion of terminal racemes of flowers appearing in colors from deep crimson to pure white, and in yellow, from the palest sulphur to the richest orange. The diameter of the fully developed singular blossom measures from one-half to three-quarters of an inch. As cut flowers nemesias show very good lasting qualities and are used to good effects as material for filling low vases.

Nemesia strumosa Suttoni is generally raised from seed started under glass in March. Seedlings, transplanted in due time, are usually ready for the open ground by the middle of May. Placed in an open, sunny position, flowering time begins early in July and continues until the frost stops vegetation.

Shorter in stem, but more effective in an ornamental sense as a garden flower is the dwarfy form—*nana compacta*. Our illustration shows the densely grown little bush fairly covered with its wealth of blossoms. It is



a striking floral debutante, in my opinion well deserving a fair trial as a bordering plant. I have not seen seed of this low-growing compact form catalogued in separate colors anywhere. The prevailing tendency toward maintaining color harmony in floral garden effects, in many cases bars mixed colors. *Nemesia strumosa nana compacta* is without doubt very pretty as we have it now—that is, mixed. Equally certain is it, however, that it would be far more in demand if obtainable in separate colors.

Richard Rothe

Northeast Harbor, Maine.

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Rochester primed and ready

Note in our reading columns the excellent start already made by the Rochester Florists' Association in anticipation of the S. A. F. Convention which is to meet in their city next August. Rochester has had plenty of experience in handling gatherings of this kind and no better manifestation of this could be given than is seen in the list of committees as pub-

lished elsewhere in this paper. With systematic business management conventions are by no means so formidable as some regard them. We have had opportunity in the past to see how Rochester does these things and it looks very, very simple in the hands of these well-seasoned experts. If you want to see a model convention, in every particular and detail which goes to make such an affair a business and social success, plan to go to Rochester next August.

Our editorial note in issue of January 22 Righting a wrong protesting with some vehemence against the enormous shipment of free seeds from Washington to an Indiana congressman has drawn forth the following letter from the gentleman referred to.

The 61 bags of seed, my allotment, came to me by virtue of an appropriation made before I took office. My predecessor, the Hon. Jesse Overstreet, then chairman of the Post Office Committee, expected to distribute these seed. He is not recorded as opposing the appropriation.

I took my seat March 15, 1909. In April, 1909, I was informed by the Indianapolis Municipal Improvement Association of Indianapolis that 10,000 packages of seed promised by Overstreet, for use by the Association through the public schools, had not arrived, and I was asked to hurry them along.

Investigation developed the fact that Overstreet in a fit of pique had not ordered the seed for the schools.

The Indianapolis papers deprecated my inability to get a few seed for the school children and praised Overstreet who was "always powerful enough to get 20,000 extra packages for the school children."

At that time I told the people of the Indianapolis district that I was opposed to the distribution of seed by the government, but that I would do my best to recover the seed promised by Overstreet—and that in future I would see that seed intended for the district would get to the district.

The Municipal Improvement Association thanked me for the seed I got for them at that time and asked me for 10,000 packages this year. I promised them.

This association is promoted by the Commercial Club of Indianapolis and works to beautify the city. The seeds were used for that purpose.

The sixty-one sacks constitute my 20,000 packages; my entire allotment. I would not undertake to distribute these seeds—I have not time—so I sent them in bulk for distribution through the schools.

The same papers which denounced me last year because I could not get seed, denounced me this year because I did get them; and started the newspapers of the country against me.

I am impliedly accused of grafting, although I do not approve of seed distribution, do not want it, and won't be bothered with it.

I am not in favor of increasing postal rates on magazines—and the whole case is a gratuitous insult.

C. A. KORBLY.

Mr. Korbly has not even suggested, much less demanded, that anybody should retract the criticisms of his course with which the newspapers and magazines were flooded from one end of the country to the other. We all the more cheerfully and earnestly, on this account, hasten to do him the justice which his letter above quoted would seem to indicate to be his due. The light which his communication throws on the system and its workings will, no doubt, interest many of our readers. On our part we are satisfied that Mr. Korbly was a victim of circumstances for which he was in no way responsible and while we are sorry to have been among those who participated in the attack upon him we are especially pleased to be enabled to do our share towards placing him right before the horticultural industries of the country. Apparently Indianapolis is the centre of good missionary ground for those who wish to abolish the free seed distribution.

SEASONABLE NOTES ON CULTURE
OF FLORISTS' STOCK.*Ardisia crenulata.*

There are few plants that give more general satisfaction to the Christmas buyer than the *ardisia*. They will pay you well. They germinate readily in a mixture of fine soil and peat in equal parts, with the addition of some sand. Plunge in bottom heat and keep the soil moderately moist. They can be increased by cutting and by "topping," cutting the stem about half way through with a sharp knife and covering the incision with clean moss tied with raffia or soft string. The moss must be kept continually moist. Place the plants in a warm house and roots will be emitted in about five or six weeks, when the tops can be removed from the old plants and potted, only requiring to be kept a little close for a few days in order to become established plants.

Mignonette.

The *mignonette* bench should not be neglected. After the crop has been cut and the spikes have begun to form, liquid manure about once every ten days will be found very beneficial. See that they don't become dry at the root. Don't allow the spikes to fall about on the bench and become crooked. Keep the temperature from 45 to 50 degrees at night with plenty of air on all favorable occasions. With proper attention to tying, disbudding and feeding, good cutting will continue up to June. The spikes will be greatly improved if cut twenty-four hours and placed in a cool place before using.

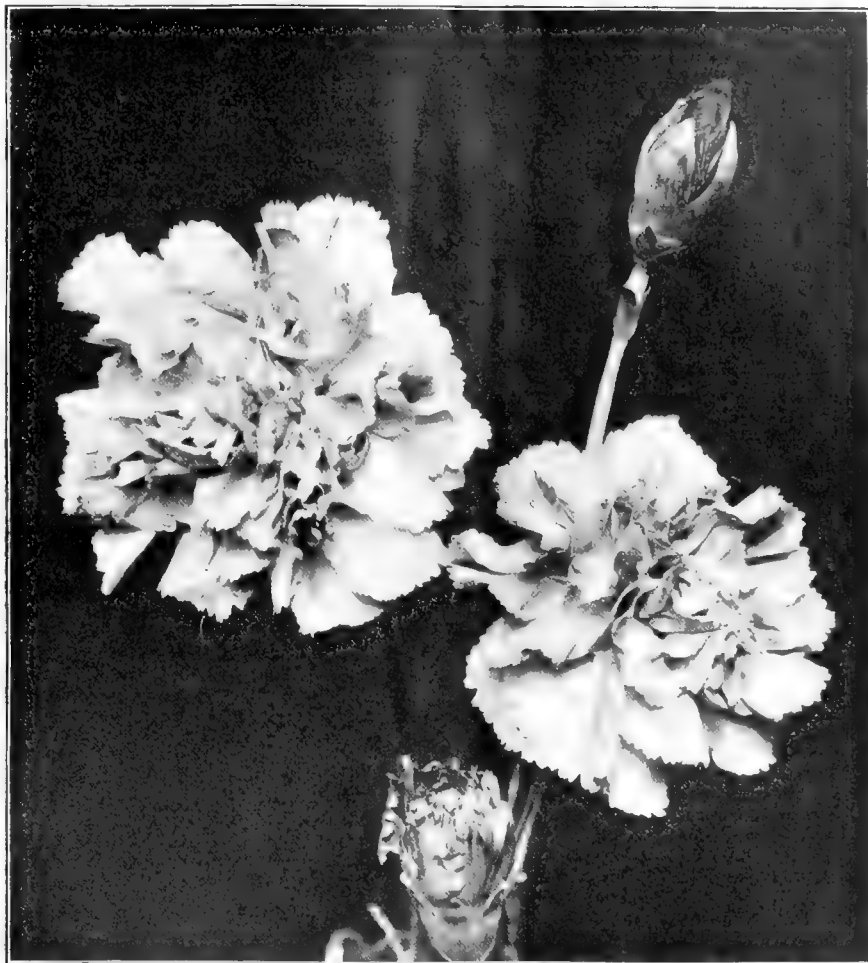
Petunias.

Petunias are particularly valuable for the retail grower who has bedding, window boxes or vases to fill. The double sorts make nice blooming plants in four or five-inch pots. Seed should be sown now of both single and double kinds in a light, sandy soil in heat. Cover the seed only slightly. The seedlings should be pricked out or potted off as soon as large enough to handle. Good strains of seeds supply plants suitable for bedding; but as they do not reproduce themselves exactly, any sorts particularly required must be propagated, like the double ones, from cuttings. Strong cuttings taken from cut back plants which have been kept in a fairly warm house, will root freely now and will grow good from now onward. When ready to pot off use 2½-inch pots, with a light mixture of soil, with some leaf-mould and sand added. A light sunny position is desirable with a temperature of 50 to 55 degrees at night.

Plants for Memorial Day.

It is a little less than three months now be just making their appearance through the ground to be in season for this holiday. Give them a night temperature of about 50 to 55 degrees and don't water too freely until they are well pot-bound. Every florist should have a nice lot of Japan lilies for this date. They are just suited for this occasion. Easter lilies which are not very far advanced can be held back by removing them to a cool house and they will come in for Memorial Day without very much forcing. *Spiraea Japonica* and its various forms should be potted and placed under the bench of any cool house where they can be

NEW CARNATION LADY ALGIE.



In a recent issue we gave a brief notice of this new carnation. We now have the pleasure of presenting a portrait of the flower. The raiser, A. H. Wingett, of Lenox, Mass., writes us as follows about *Lady Algie*:

"*Lady Algie* promises to be a real good thing. I have had it for three years and it shows no variation whatever. The color is a most attractive

salmon pink and it has the vigor of its parent, *Beacon*, which we all concede as the best scarlet flowering carnation extant. Flowers are borne on stems from 2½ to 3 feet and will average 3½ in. across. This variety was named for Lady Algernon Gordon Lennox, at her especial request, she having admired it, as she saw it growing here last October."

making roots slowly. *Hydrangeas* should be started right away to have them right. Such plants as zonal geraniums, show pelargoniums, fuchsias, begonias, candytuft, and stocks, all come in good for this occasion.

Salvia.

There is hardly a bedding plant more popular than the *salvia*. It pays the retail grower as good as most plants. The stock plants that have been carried over and are producing an abundance of cuttings can be placed in sand now where they will have a little bottom heat and kept shaded for a short time they will root. The propagation of *salvia* by cutting is necessary where they are wanted true to name, especially the dwarf sorts. Seed that is sown now in a little bottom heat and transferred to flats or pots as soon as they develop a second pair of leaves will generally produce excellent plants with some bloom on by the middle of May.

Stocks and Candytuft.

Sow stocks now in shallow flats in some light, sandy soil, covering the seeds lightly, and do not allow the seedlings to dry out. They should be

transplanted from the seed flats while they are quite small, as their slender root soon extends to such a distance in the soil that they cannot be taken up without loss of some of the fine rootlets. It is better to sow several times for succession. *Candytuft* is also one of the most useful plants for flowers. In a remarkably short time the plants will become covered with flowers. They both love a cool house and require about the same culture.

Vincas.

If you have some large clumps of *vincas*, say in 5 or 6-inch pots, you can increase your stock by dividing them in half and planting in 4 or 5-inch pots, using good rich soil. They will make fine plants by planting time. Now is a good time also to work up a supply of strong plants for another year by putting in cuttings. Take them off with a heel from the base of the plants, and put in sand; they will soon root. Don't top them as tops do not root so well. When ready pot them off and plant out in the spring in open ground and they will make fine stock for another year.

JOHN J. M. FARRELL.

NEWS OF THE CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The meeting last Tuesday evening was one of the best attended of the season. The hall was well filled and there was plenty of interest and enthusiasm. After the secretary's very complete records of the last meeting had been read the banquet committee reported a surplus of \$15.05, which was turned over to the treasurer. An invitation to visit the W. W. Edgar greenhouses in a body on March 19 was enthusiastically received.

Mr. E. H. Wilson, characterized by the committee as the greatest plant collector the world has known, was unanimously elected an honorary member. There are now at the Arnold Arboretum upwards of 1,000 new species of trees and shrubs in process of development, all collected by this indefatigable explorer.

A resolution in approval of the adoption of a Parcels Post system such as European countries are enjoying was adopted; also a resolution recommending the discontinuance of free seed distribution by Congress, as no longer useful or wise. Both of these resolutions will be sent to representatives in Washington with a request that they act in accordance therewith. There was a lot of oratory, serious and witty, over these enactments.

Mr. Farquhar announced that a good friend of the club stands ready to make a donation of \$100 for the use of the Landscape Class, should same be needed. He then brought up the matter of the arrangement of the elm trees in Commonwealth avenue and after a lively discussion in which the plans of the park commission for four rows of trees were unanimously condemned, a strong resolution endorsing the original Olmsted-Sargent plan of two rows was adopted and a copy ordered sent to the park commission. Mrs. E. M. Gill of Medford, the oldest member of the club, was recommended for honorary membership. Fifteen new members were admitted.

S. J. Goddard of Framingham then read a thoughtful paper on "The Culture of Carnations," which was followed by an instructive discussion and Mr. Goddard received a hearty vote of thanks.

The judges reported on the exhibits of the evening as follows: Carnations, Hattie Starrett and May Day, from Patten & Co.; Wm. Penn and Seedling 1019, from A. Roper; Mrs. C. W. Ward, from Cottage Gardens Co.; Pink Delight, from S. J. Goddard; Seedling, from Robert Train; report of merit for each. Alma Ward, from Cottage Gardens Co.; report of superior merit. Enchantress, from Littlefield & Wyman; report of cultural merit. May Day, from Peter Fisher; report of superior merit. Vase of mixed novelties from S. J. Goddard; report of cultural merit. Rose Killarney, deep pink sport, from Montrose Greenhouses; report of merit. A vote of thanks was accorded to the following: Carnations Shasta and Sarah Nicholson, from Patten & Co.; Winsor, from Littlefield & Wyman; seedlings from A. Roper, seedling of Boston Market. Genevieve

Lord, from Robert May, Gloversville, N. Y.; Bon Ami and seedlings, from G. E. Buxton.

The most sensational exhibit of the evening was a group of three new azaleas, one plant of each, seedlings from The Haerens Co., Somergem, Belgium, unnamed as yet; shown by A. Leuthy. One was a double early white, one a pink similar to Vander Cruysen and the other a small red semi-double, on order of Firefly. All the above made a good impression and are expected to take high rank with the trade as soon as disseminated.

CONNECTICUT HORTICULTURAL SOCIETY.

On the 11th instant, our society held its first February gathering. Many activities for the future were planned; and Prof. C. D. Jarvis, horticulturist of the Storrs Agricultural Experiment Station, was received into membership. "Raising Mushrooms in the Cellar," an article by State Botanist Peck of New York, and reprinted from "The Country Gentleman," was read and discussed by the members present. The general opinion was that considerable technical skill is required to raise regular and abundant crops of this fungus product, and more such skill than is ordinarily attainable.

President Huss outlined a series of events for future meetings. February 25th will be cineraria night; March 11th, carnation night; March 25th, Chinese primrose night; April 8th, rose night; May 13th, pansy night. It was voted to make March 11th ladies' night, also with a special request that all ladies interested in horticulture shall be present; and the lady members of the society will be asked in advance to each propound questions from the question box, which is always open on the president's desk. Addresses by members are also promised, as follows: March 25th, by Alex. Cumming, Jr., on "The Horticulture of the Pacific Coast," Mr. Cumming having just returned after a year's residence there; April 22nd, by Secretary George W. Smith, on "The Value of the Pear to the Fruit Lover;" and May 13th, by John Gerard, of New Britain, on "The Latest Acquisitions in the Pansy World."

In a discussion on climbing plants, Ampelopsis Veitchii came in for the greatest share of praise. President Huss said that he had seen it grow to the roof of stone church edifices in New York City in three years from planting time. Referring to hardy flowering shrubs, suitable for hedge use if desired, Berberis Thunbergii seemed to be favored, and as being much more suited to the rigors of our New England climate than the California privet. Treasurer W. W. Hunt recommended Spirea opulifolia as a much more rapid grower, however, and hence more suitable when strong and high growth is desired.

Our society starts on the new season with great hopes for the accomplishment of many horticultural successes, and (thanks to the action of the last legislature) with the largest sum in the treasury that it has possessed in a number of years.

GEORGE W. SMITH, Sec'y.
Melrose, Conn.

MORRIS COUNTY (N. J.) GARDENERS' AND FLORISTS' SOCIETY.

February 9th, stormy as it was, brought out a strong membership of this society. Harold B. Vyse read an essay on "The Pot Culture of Poinsettia pulcherima." We are all familiar with the dazzling display of this plant, which Mr. Vyse has every year around the holidays. Five and 6-inch pot plants with bracts 17 to 19 in. across, are worth looking at. His paper was full of practical directions and, as he says himself, "If one wants to get them good, he must be eternally vigilant." A rising vote of thanks was accorded him for his able effort. Percy Herbert, a former presiding officer of ours, came down from Newburgh.

Proofs of the preliminary schedule of the Flower Show to be held in Morristown next November were discussed. The prizes total over \$2,000 and we expect the final issue in July to list \$3,000 or more. This amount is pledged in full and so the executive committee's work will be in the line of securing a show worthy of the name. A letter read at the January meeting from Elmer D. Smith, president C. S. A., announcing that the C. S. A. would hold their show at Morristown in conjunction with this society, gave us a boost. The C. S. A. special prizes will be added features. The Flower Show committee is made up of the best men in the club, and every one is working energetically to forward the enterprise.

Next meeting, March 9th, will be Carnation Night. For several years this has been a great event, and we hope the growers generally will come on and show again this year. Many new carnations are candidates for public favor, and the place to put them is where people can see them. There is no better place to do this than in Madison.

J. A. Peterson, Cincinnati, Ohio, showed his new Begonia Glory of Cincinnati. A certificate of merit was awarded to it. C. H. Totty had a collection of sweet peas—stems from 17 to 19 inches long. His Governor Fort was awarded a certificate of merit and the other is a cultural certificate.

Preliminary schedules can be had from Edward Reagan, Box 334, Morristown, N. J.

E. R.

NEW YORK FLORISTS' CLUB.

The regular meeting of this club on Tuesday evening, February 14, had been designated Ladies' Night and the large and interesting audience which assembled in response to this announcement showed unmistakably that members and ladies alike had pleasant memories of former similar occasions and knew what to expect. There were not far from 150 persons present when President Miller called to order. Business was despatched with alacrity. Secretary Young's minutes, report of essay committee by Mr. Pepper, appointment of a committee on the death of C. W. Scott's father, report of joint committee on annual dinner and entertainment of American Rose Society, by Mr. Sheridan, were severally adopted and Wm. H. Taplin of Brooklyn, read an interesting paper on "Carnations Past and Present," which brought out some discussion as

to the cause of calyx splitting with the usual result that no two talkers thought alike on this perplexing problem.

Exhibits comprising some twelve or fifteen hundred carnations of high quality were ranged on tables down the centre of the club room making a very brilliant effect. Among them were the following: Bright Spot from Nic Zweifel, Milwaukee, Wis.; It emerged from its 1000-mile journey in excellent condition; Dorothy Gordon from Jos. Heacock, Wyncote, Pa., a winner in every feature; Mrs. C. W. Ward and Alma Ward from Cottage Gardens, Queens, N. Y., superb, the last named especially; Princess Charming from H. Eichholz, an exquisite light pink of great promise; Juanita and five seedlings from Fillow Flower Company, Westport, Conn.; Enchantress and White Perfection from John F. Marsden, Far Rockaway; Lawson, Lady Bountiful, Variegated Lawson, Crimson Beauty, Beacon, Kingston Pet and White Enchantress from Wood Bros., Fishkill, N. Y.; Pink Delight from A. N. Pierson, Cromwell, Conn.; Sangamo from S. J. Reuter & Son, Westerly, R. I.; White Enchantress from A. Demusy; White Bros. Gasport, Pink Delight and Winsor. A valentine bouquet device from Young & Nugent; Striped seedling from Saltford Flower Shop, Poughkeepsie; Brooklyn, a handsome large deep pink seedling with fringed petals from Weber, Lynbrook, and Wilson, Brooklyn.

The judges reported awards as follows: Cottage Gardens Company, Reed & Keller prize, for best exhibit, also Vaughan prize for best fifty, Alma Ward; Jos. Heacock Company, Stumpp & Walter prize, for best novelty sent out in 1909-10, Dorothy Gordon; Nic Zweifel, honorable mention for Bright Spot; John Marsden, cultural certificate; Henry Eichholz, 86 points for Princess Charming.

Following the business session, John Nugent, on behalf of the entertainment committee, took charge of the proceedings. A couple of songs beautifully sung by Miss Becky Moltz, were the first on the program and aroused much enthusiasm. Then came, in succession, Russell Kelly, solos on 'cello and piano, and a song; Miss Barnett, in recitations; Miss Sabery Dorsell, in songs, and Fred Blythe, songs; every one of which was uproariously enjoyed. Then followed an enjoyable repast and social time. The annual outing of the club is scheduled for July 1, and will take place at Wetzels Point Grove.

MASSACHUSETTS HORTICULTURAL SOCIETY.

By direction of the Committee on Prizes and Exhibitions of the Massachusetts Horticultural Society the February Flower Show will be held at Horticultural Hall on Friday, Saturday and Sunday, February 25, 26, and 27, and not as announced in the preliminary schedule. An additional list of prizes to be offered at this exhibition has been issued and will be sent on request. This exhibition will take the place of the usual spring show and it is expected will equal it in extent and interest. It will be a pay show and music will be furnished every afternoon and evening.

AMERICAN ROSE SOCIETY.

The executive committee and other members have held two conferences in New York in regard to the details of the coming Rose Show at the American Museum of Natural History. The total amount of prizes offered in the schedule reaches some \$1,500. In conjunction with the Rose Show the Horticultural Society of New York has a preliminary prize schedule, the total of which comes to \$700. S. S. Pennock-Meehan Co., of Philadelphia, offer a special prize of \$25 to be awarded in the discretion of the committee. Moore, Hentz & Nash, New York, offer a solid silver cup, valued at \$50, for the best

in for \$15 prizes each, A. H. Langjahr and L. B. Coddington, \$10 prizes each, and the Society of American Florists' silver and bronze medals are also at the disposal of the American Rose Society.

A valuable paper is being prepared by Mr. W. S. Sibson upon "Northern Pacific Coast Roses." Mr. James Wood, president of the Horticultural Society of New York, will deliver an address upon "Ideals of Horticulture;" Mr. Geo. V. Nash, "The Rose and its History," and illustrated lecture with colored lantern slides; and Mr. Adolph Farenwald, of Roslyn, Pa., on "Roses, the Brightest of Flowers."

The Horticultural Society of New York offers on its own behalf the following prizes:

MISCELLANEOUS FLOWERING PLANTS.

	1st.	2nd.
Acacia pubescens, specimen.....	\$6.00	\$4.00
Acacia paradoxa, specimen.....	5.00	3.00
Azalea indica, 6 specimens, distinct varieties.....	15.00	10.00
Azalea indica, 3 specimens, distinct varieties.....	10.00	5.00
Azalea indica, pink specimen.....	5.00	3.00
Azalea indica, white specimen.....	5.00	3.00
Azalea indica, any other color.....	5.00	3.00
Anthurium, specimen.....	5.00	3.00
Cineraria hybrida, 6 plants.....	10.00	5.00
Cineraria stellata, 6 plants.....	6.00	4.00
Cyclamens, 20 plants (Special prize offered by Messrs. R. & J. Farquhar & Co.).....	Silver cup.	
Cyclamens, specimen.....	5.00	3.00
Erica, 3 plants, 3 varieties.....	6.00	4.00
Genista, specimen.....	5.00	3.00
Rhododendrons, 6 plants, not less than 3 varieties.....	10.00	5.00
Lilacs, 6 plants, not less than 3 varieties.....	10.00	5.00
Schizanthus, 6 plants.....	6.00	4.00
Hydrangea, specimen.....	5.00	3.00
Hydrangea, 3 specimens, in 3 varieties.....	10.00	5.00
Bulbs, collection, arranged for effect, other foliage plants admissible, covering 50 sq. ft.....	Silver medal.	

ORCHIDS.

Under the direction of the Orchid Section.

Display.....	\$25.00	\$15.00
Cattleya Trianae, specimen.....	5.00	3.00
Cattleya Schroederi, specimen.....	5.00	3.00
Cattleya any other variety, specimen.....	5.00	3.00
Cypripediums, display.....	15.00	10.00
Coelogyne cristata, specimen.....	5.00	3.00
Dendrobium nobile, specimen.....	5.00	3.00
Dendrobium Wardianum, specimen.....	5.00	3.00

Palms and other Foliage Plants.

Chrysalidocarpus (Areca) lutescens, specimen.....	\$10.00	\$5.00
Cocos australis, or its varieties, specimen.....	10.00	5.00
Howea (Kentia) Belmoreana, specimen.....	10.00	5.00
Howea (Kentia) Forsteriana, specimen.....	10.00	5.00
Rhapis flabelliformis, specimen.....	10.00	5.00
Phoenix reclinata, specimen.....	10.00	5.00
Phoenix canariensis, specimen.....	10.00	5.00
Livistona chinensis (Latania borbonica), specimen.....	10.00	5.00
Any other palm, specimen.....	10.00	5.00
Cycas circinalis, specimen.....	10.00	5.00
Bay trees, display.....	25.00	15.00
Ficus pandurata, 3 specimen plants.....	10.00	5.00
Davallia, specimen.....	10.00	5.00
Nephrolepis Bostoniensis, specimen.....	6.00	4.00
Nephrolepis elegantissima, specimen.....	3.00	2.00
Nephrolepis Scotti, specimen.....	3.00	2.00
Nephrolepis Piersoni, specimen.....	6.00	4.00
Nephrolepis any other variety.....	3.00	2.00
Cibotium Biedlei, specimen.....	10.00	5.00
Crotons, display, not less than 25 varieties.....	Silver Medal	
Stove and greenhouse foliage plants, display, not less than 25 plants.....	Silver Medal	

six roses, two white and four red, pink or yellow, American Beauties excepted. Wm. F. Kasting Co. offer a prize of \$25 wherever it can be best used. The Toronto Horticultural Society offer one silver and one bronze medal. Arthur T. Boddington offers a cash prize of \$25. Stumpp & Walter Co. offer a special prize, for private gardeners only, for 25 Richmond Roses, \$10 and \$5.

The following named parties have contributed prizes of \$25 each, for purposes to be specified later: John I. Raynor, Henshaw & Fenrich, H. E. Froment, W. S. Allen, Traendly & Schenck, A. J. Guttman, King Construction Co., J. A. Budlong, Son & Co., John N. May and F. R. Pierson, W. G. Badgley and W. F. Sheridan are

The Horticultural Society of New York will issue jointly with the American Rose Society the preliminary prize list and rules within a few days. Joseph A. Manda has been appointed Superintendent of Exhibits. President Poehlmann is urging the Chicago people to make a fine exhibit in New York. The New England people will be present with the best that they can produce. This exhibition is regarded by some of the strong people in New York as one of public education, at which it is expected thousands will be present. Vice-President Pierson, ex-President Simpson and Treasurer May are at work like beavers to insure the practical success of the undertaking.

BENJ. HAMMOND, Sec'y.

STRIKE! STRIKE!! STRIKE!!!

Always strike to get the best goods. Best in quality, best in workmanship, best in practical usefulness for the immediate demand.

Get Ready for Easter

Do it now. We can supply you with the most beautiful new things in flower baskets, plant receptacles and other accessories that have ever been placed at the disposal of the energetic florists of America. **Our new styles of high-handled baskets** are artistic beyond description and appear in color and conformation to suit each and all varieties of popular Easter floral material. Our

SPECIAL BASKETS FOR AZALEA AND LILY POTS

made in our own factory, will be appreciated when seen. Next week we shall have something more to tell you. **Watch for it in next issue.** In the meantime send your name for a descriptive catalogue and photographs of **New Things You Must Have.**

H. BAYERSDORFER & CO.

1129 Arch Street,

Philadelphia, Pa.

NEW JERSEY FLORICULTURAL SOCIETY.

Jersey abounds in societies devoted to the interests of the horticultural craft and the particular one to which these lines refer is one of the best known and best appreciated in the en-

Once a year comes the ceremonial of installing the new officers and this is always made an interesting, although unpretentious, social event for the members and their friends. The affair came off this year on Friday evening, February 11, and despite the fact that a very lively snow storm was busy outside, a goodly attendance was present to enjoy this unique combination of oratory, smoker and conviviality.

The report of the retiring secretary, J. B. Davis, showed that the 15th year of the society's career had been a prosperous one. It had held ten meetings; 157 certificates had been awarded for meritorious floral exhibits; the membership is 84 and there has been one death during the year, Mr. J. Crosby Brown. The treasurer, Wm. Reid, reported a balance of \$313.51 in the treasury.

There were a few attractive exhibits upon which the judges, Messrs. Wm. Duckham, C. H. Totty and W. J. Stewart, reported as follows: Lager & Hurrell, display of orchid blooms including *Laelia anceps alba*, *L. a. rosea*, *Phalaenopsis*, etc., cultural commendation; Wm. Reid, vase of unusually fine carnations, cultural certificate; Frank Drew, roses, cultural commendation; Max Schneider, honorable mention for display and cultural commendation for carnations; C. H. Totty, hybrid hippeastrum seedling, vote of thanks.

Installation of the new officers was performed with due dignity by the retiring president, Malcolm MacRorie, in the following order: Albert F. Larson, president; Dietrich Kindsgrab, vice-president; Wm. Reid, secretary; Walter V. Gray, treasurer. The secretary then read the list of special prizes provided by friends of the society for

competition during the coming year, as follows: Winner of highest number of points on roses, commercial exhibitor, silver cup; private gardeners' competition, silver cup. Two cups, commercial and private, respectively, as above, for orchids, carnations, foliage plants, flowering plants other than



MALCOLM MACRORIE.
Retiring President

tire list, located as it is in the heart of "the Oranges" and drawing support from many private and commercial establishments in the Oranges, Short Hills, Summit, Madison, Chatham, and neighboring communities.



ALBERT F. LARSON
President.

above mentioned, fruit and vegetables, and one cup for best seedling carnation, grown by the exhibitor; 13 cups in all.

George Smith, the silver-tongued orator, here took the floor and ad-

Beautiful! Novel! Valuable!

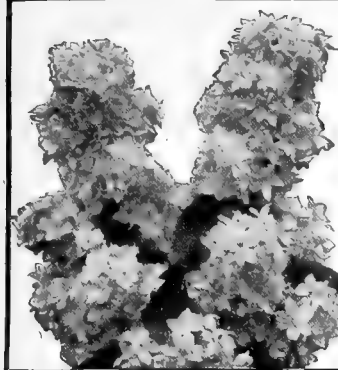
The Newest Lilacs

Double and Single
Extraordinary Offering

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best

**FRUIT AND ORNAMENTAL TREES,
SHRUBS, ROSES and HARDY PLANTS**
Ellwanger & Barry, Mount Hope Nurseries, Rochester, N. Y.



PEACOCK'S PEERLESS DAHLIAS

**FIELD ROOTS, Jack Rose, Fringed 20th Century,
Rose Pink Century, Virginia Maule,
Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts,
\$1.00 per doz., \$5.00 per 100.**

**PEACOCK DAHLIA FARMS, WILLIAMSTOWN,
JUNCTION, N. J.**

dressing the retiring president, presented him with a beautiful silver loving cup on behalf of the members in token of their love and esteem for their old friend and long-time devoted official. Mr. MacRorie was taken completely by surprise, but managed to voice in a few words his grateful appreciation of the gift.

Speeches were then in order, as refreshments were passed around. Rev. L. H. Lightipe spoke eloquent words of welcome to the visitors. Wm. Duckham responded warmly for the Madison visitors and asked for support and co-operation in the great exhibition to be held at Morristown next fall, for which already premiums to the amount of \$2,500 have been subscribed. C. H. Totty told stories, J. Austin Shaw dispensed compliments and epigrams in blank verse, W. J. Stewart spoke for the orchid show to be held next May and the national show in March of the next year at Boston, and said that New Jersey would be indispensable to the success of any orchid show, wherever held in this country. A. F. Faulkner made a concise and most appropriate little speech. Ed. Reagan spoke for the Morris County Florists' and Gardeners' Society, and proved to be a most interesting talker. A. H. Secker sang a song, and George Smith, on request, contributed "The Tinkler's Wedding O." Interspersed were songs and monologues by clever entertainers. And the snow snowed on but nobody cared.

ROCHESTER FLORISTS' ASSOCIATION.

Standing committees in this Association for 1910 are as follows:

Entertainment and Essays—H. B. Stringer, chairman; John Dunbar, C. H. Vick, R. G. Salter.

Exhibition—C. H. Vick, chairman; George B. Hart, F. J. Keller, A. H. Salter, J. M. Keller, E. P. Wilson.

Membership—C. H. Ogsten, chairman; F. R. Schlegel, W. L. Keller, Charles Suhr.

Auditing—E. S. Osborne, chairman; W. H. Dildine, Geo. T. Boucher.

Bowling and Sports—A. F. Vick, chairman; H. B. Weller, George J. Keller, Walter Salmon.

Special Committee for the Banquet—charge of all the arrangements for the

Annual Convention of the S. of A. F. and O. H. next August. F. W. Vick is chairman and H. B. Stringer, secretary.

Chairmen of the various Sub-Committees of the Executive Committee are the following:

Entertainment—F. W. Vick. All the members of the Rochester Florists' Association are members of this Committee.

Ladies—C. H. Ogsten.

Finance—W. T. Fonda.

Souvenir Album—C. H. Vick.

President's Reception—George B. Hart.

Bowling—A. F. Vick.

Decorations—F. J. Keller.

Music—E. P. Wilson.

Shooting—R. G. Salter.

Ball Game—J. M. Keller.

Transportation—E. S. Osborne.

Printing Programmes and Press—E. F. Rowe.

Nominations for Superintendent of Trade Exhibit—Charles H. Vick.

The position at Florham Farms, Madison, N. J., so long filled by Arthur Herrington, will be vacant on April 1st. Mr. Herrington will go into the landscaping business with office in New York City.

To Users of

A-P-H-I-N-E

Please note the following modifications in directions for applying, which, if carefully followed, will prove effective for the destruction of all insects. Intended for

Green, Black and White Fly

1 part Aphine to 35 to 40 parts water.

Red Spider, Thrips and Slugs

1 part Aphine to 20 to 25 parts water.

Mealy Bug, White and Brown Scale

1 part Aphine to 12 to 15 parts water.

\$2.50 per gallon

**Aphine Manufacturing Company,
MADISON, N. J.**

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year



MARTIAL BREMOND

Martial Bremond of Olloules, France, is the largest grower of strictly first class French bulbs in existence. His clientele is composed of the most critical buyers all over the world. They are men who have bought Bremond products for many years, and know the value of his bulbs. Horse-shoe Brand Products in French bulbs are "Bremonds" and which means that they are the best the market affords, in the various sizes offered.

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12 West Broadway
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REPRESENTING

MARTIAL BREMOND, Olloules, France



Not How Cheap
But How Good

LILIES

Canadense, Super-bum, Single and Double Tigers, named Elegans, Tenuifolium, Wallacei, etc.

German and Japan Iris, Delphinium Formosum, Gladioli, Callas, Cinnamon Vines, Madeira Vines, Hyacinthus Cooperias, Milla and Bessera.

Write for prices.

E. S. MILLER Wading River
L. I., N. Y.

ROEHRS

RUTHERFORD, N. J.

EVERGREENS

DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

Catalogue Free

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JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

WINNERS**READ THEIR RECORD
Pittsburg, January 26th, 1910.**

S. A. F. Silver Medal for best vase of 50 not yet disseminated — MRS. C. W. WARD.
S. A. F. Bronze Medal for second best vase of 50 not yet disseminated — ALMA WARD.
Best 100 light pink — MRS. C. W. WARD.
Best 100 white — ALMA WARD.
Special Sweepstake Prize for best vase of any color — ALMA WARD.

FORMER AWARDS**MRS. C. W. WARD**

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

ALMA WARD

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

Prices Rooted Cuttings

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000; 25 at the 100 rate, 250 at the 1000 rate.

Delivery February 20th

ALMA WARD

This beautiful Carnation is pure white except during the dark weather when it shows delicate splashings of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

Prices Rooted Cuttings

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery March 1st

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

Cottage Gardens Co., Inc. Queens, Long Island, NEW YORK

CHICAGO NOTES.**Park Jottings.**

At this writing Lincoln Park Conservatories are particularly attractive because of the magnificent display of orchids. Rudolph Schiele is in charge of the exhibit. The white varieties of which there are 200, are a special feature. There are also about 700 varieties of the more common.—An important step was taken last week by the Lincoln Park Commissioners when they voted to begin suit to obtain possession of the four bathing beaches on the shores of Lake Michigan. These beaches are now owned by private individuals and estates and the cases will be complicated. The ground in question is 1,531 feet long and will average 200 feet wide.—The island at the north end of Lincoln Park will soon be completed and will be one of the beauty spots of the city.—Edward Tilden was unanimously elected a member of the South Park Commission to succeed State Senator Edward J. Rainey.

Ladies' Night at the Club.

Ladies' Night is always a happy event and the Chicago Florists' Club are anticipating this one to surpass all others. An enthusiastic committee, headed by Duncan Robertson, are at work on the program, and the event will come off Thursday, March 3rd, at Union Hotel Banquet Room. A light banquet will be served first and will be followed by a select musical entertainment. Appropriate decorations of flowers and palms will be used as befits a florists' entertainment. Schiller, Pasternick and Degnan will have the opportunity to show

their skill here, while John Kohlbrand will handle the tickets.

General Notes.

John Kruchten, who is known as a very successful grower of sweet peas, is showing fine large blooms now of the finest early varieties. When questioned as to his methods, Mr. Kruchten said he kept his sweet pea houses at a temperature of from 35 to 40 degrees, and thinks the only way to successfully grow sweet peas is to maintain a low temperature.

A happy and enthusiastic party, though not extremely large, left on the 9.40 train for Champaign—Urbana. The various clubs and societies were well represented, and at this writing it looks as if the Illinois State Florists' Association will have a good meeting.

Personal.

Duncan Robertson will leave next week for a week's visit to Toronto relatives and friends. When Mr. Robertson left Scotland, many years ago, other members of his family left also and settled in Toronto.

D. D. Johnson will take a trip this week through Wisconsin and north to Minneapolis in the interest of the Evergreen Fertilizer.

Frank Coswick is now in the employ of Wiator Bros., taking the place of John Orsesky, whose death was reported last week. Frank has frequently served here as extra help in busy seasons and has a large acquaintance with the trade.

Visitors:—Geo. Kuhl, Perkins, Ill.; Ed. Roehrs and J. Muller, Rutherford, N. J.; R. R. Davis, Morrison, Ill.; F. H. Henry, of Henry & Lee, N. Y.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held on the 15th inst., Henry F. Michell, vice-president, in the chair. The cyclamen prize was won by Samuel Batchelor with four splendidly grown plants, among which was an excellent specimen of the crested type; showing fine symmetry in form; pink shaded; very free flowering, and large-sized flowers of the grandiflorum section. A discussion on cyclamen culture took place and some excellent pointers were given by S. Batchelor, Frank O. Canning, Jno. Hobson, and Xavier Schmitt. Mr. Batchelor stated that he used one-half leaf mould in his compost—not well rotted, but only half-rotted being best—and was very careful to water three times a day. Matters pertaining to the spring show, March 15, 16, and 17, were discussed and the secretary reported that all arrangements are about completed. The regular monthly meeting for March, coming on the first day of the spring show will be omitted, and instead a lecture by a prominent horticulturist will be given on the evening of the second day. The National Gardeners, who are to have their convention and exhibition at same time, will have their banquet at Dooner's on the evening of the 15th. An association of society ladies calling themselves the "Gardening Club" have announced their intention of offering some prizes for the November show, to be competed for by amateurs only.

Almost Sold Out

Have you sent us an order for YOUR stock of Carnation Dorothy Gordon? Easy to put it off—but our supply is limited, orders are piling in every day, and some of you who are planning to grow this splendid Carnation for your trade this year are going to be disappointed!

This magnificent flower made a big "hit" at the Pittsburg meeting, but that didn't surprise us any, for a great many of our friends in the trade long ago learned that for REAL, substantial profits

Carnation Dorothy Gordon

stood away up at the top of the list. We know we "harp" a lot about its merits, but when you know this grand new variety as we do, you'll be enthusiastic, too. Flowers fragrant and uniform in color—a little darker than Pink Enchantress; very large—size 3 inches or more in diameter—buds of good substance and very lasting. All these features spell profits for growers of Carnation Dorothy Gordon—DOUBLE profits,

for the plants bear more flowers which sell for a higher price, bringing your gains up to nearly twice what you can get from other commercial sorts.

Come to Wyncote and see Dorothy Gordon growing; if you cannot do that, write or wire us NOW and we will reserve stock for you. But do it QUICKLY if you want any rooted cuttings this spring. Interesting literature free.

JOSEPH HEACOCK CO., Disseminators, WYNCOTE, PA. | Prices are : \$10 per 100; \$75 per 1000

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, \$12.00 per 100; \$100.00 per 1000
Alma Ward..... 15.00 " 125.00 "

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, \$6.00 per 100; \$50.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden, \$3.50 per 100; \$30.00 per 1000.

NOW READY

New Crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons at 25c and \$1.00 per package.

CHARLES H. TOTTY, MADISON, N. J.

Blooms 3-3½ inches
Stems 24-30 "

Strong Grower.
Free From Disease.

Bon-Ami

G. E. BUXTON

Nashua, - - - - N. H.

An early, continuous bloomer.

An honest Commercial Carnation.

A new seedling White Carnation of exceptional merit as a dividend payer. Not a Gold Brick or Bunco Sort. One that will pay its Board and Lodging and present its owner with a balance on the right side of Ledger. Buy it and be convinced that Bon-Ami is all that its name stands for "A Good Friend."

Price \$10.00 per 100.

\$75.00 per 1000.

SHASTA

We are now shipping fine strong cuttings of Shasta. Orders already booked will take all we can deliver up to February 15th, but we can still accept orders for late February delivery. Send yours in at once.

BAUR & SMITH Indianapolis, Ind.

SANGAMO

New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

\$100.00 per 1000

A. C. BROWN,

Springfield, Ill.

CHICAGO CARNATION CO.

Joliet, Ill.

A New Seedling

Carnation :: ::

Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. \$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co.,

A. T. PYFER,
Manager.

Joliet, Ill.

MARY TOLMAN

A NEW LIGHT PINK
CARNATION FOR 1910

\$12.00 per 100. \$100.00 per 1000.

A. E. HUNT & CO.,
Evanston, Ill.

CHICAGO CARNATION CO.,
Joliet, Ill.

'HUNT BROS.,
Park Ridge, Ill.



10 Seedling Peony

Roots for ten cents; more

if desired at one cent each,

sent by mail. *Now is the time to order.*

GEORGE HOLLIS, Peony Specialist

128 Hollis Street, South Weymouth, Mass.

GLADIOLI

Best values at reasonable prices. Quality and vitality our chief aim. Write for illustrated catalog.

ARTHUR COWEE, Specialist,
Meadowvale Farm, Berlin, N. Y.

CHRYSANTHEMUMS

All orders booked now for early delivery.

Write for Catalogue

ELMER D. SMITH & CO.

ADRIAN, MICH.

Almost

Sold Out

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, \$12.00 per 100; \$100.00 per 1000
Alma Ward..... 15.00 " 125.00 "

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, \$6.00 per 100; \$50.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden, \$3.50 per 100; \$30.00 per 1000.

NOW READY

New Crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons at 25c and \$1.00 per package.

CHARLES H. TOTTY, MADISON, N. J.

ROOTED CUTTINGS CARNATIONS HEALTHY STOCK

Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

ROSES

Grafted and Own Root. Have a few thousand each. Send for List.

WOOD BROTHERS

FISHKILL, N. Y.

PEONIES

Send for our list. The very choicest Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,

Richmond, Indiana.

CARNATION

Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATALOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

OSMUNDA FIBRE

We offer for immediate delivery in any quantity either the Yellow or Black Fibre of the Finest Grade, suitable for Orchids.

We can also supply at once Rotted or Azalea Peat, Leaf Mold, Live or Baled Sphagnum Moss.

SAMPLES AND PRICES UPON REQUEST

C. W. BROWNELL & COMPANY, WALDEN, N. Y.

BY WIRELESS FROM ROBERT CRAIG'S.

The Fiddle Leaved Rubber.

Ficus pandurata, always a special product with Mr. Craig since its introduction, is enjoying an uninterrupted and constantly increasing demand, for it fills a place of its own in decorative grouping and few other plants will stand so much knocking around without showing it. There are five houses filled with *pandurata* for stock purposes alone and an effort will be made to keep up with the demand henceforth, something which has been impossible thus far.

Lorraines.

Begonia Gloire de Lorraine leaves are rooting well this year. Messrs. Craig have no less than 70,000 leaves in the propagating benches and that have already been potted up into 2-in. pots. These will have another shift into 2½-in. pots and will make sturdy plants by May, when shipping to the trade will commence. Shipping is done with 2½-in. stock only. They cost a little more on that account, but are worth it to any buyer and will be a better bargain in the long run. The light pink *Lonsdale* variety is most largely grown here because it seems to be a better keeper in the dwelling house. Mr. Craig looks upon Peterson's *Glory of Cincinnati* as a sterling novelty which every Lorraine grower will have to make room for as soon as it is sent out.

One of the great successes of the last Christmas trade was the *Edwin Lonsdale* croton. It is a free grower—a quality that means much to the man who grows it. Under proper temperature handling it is of the rich red color so appropriate for the holiday time, and will rapidly become a popular Christmas favorite.

Easter Outlook.

Just at present all nerves are tuned up to Easter pitch and the short season intervening makes unremitting vigilance imperative. The promises on all lines of flowering plants was never more encouraging.

Azaleas are unusually well set with buds this year. When received from abroad the buds appeared somewhat small, but they are coming along very satisfactorily and will be all right for Easter. The houses which the Christmas azaleas vacated are now filled with *Scottii* ferns. *Schoelzeli*, which is in

ORCHIDS IN BLOOM ROEHRS, Rutherford, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, *C. Harrisoniae*, *C. Gaskelliana*, *C. gigas Hardyana* type, *Dendrobium Phalaenopsis Schroederiana*, *Odontoglossum luteo-purpureum sceptrum*.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

We have changed our domicile from Secaucus, N. J., to Mamaroneck, New York. We are the largest collectors and importers of Orchids and we are now booking orders for all commercial *Cattleyas* for delivery next Spring.

CARRILLO & BALDWIN, Mamaroneck, New York.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England and 235 Broadway, Room 1 NEW YORK CITY

effect a crested *Scottii*, is a very practical fern. It is compact and stands up well under the hose and the fronds can't be knocked down as is the case with some other varieties of *Nephrolepis*.

Daisy Queen Alexandra is not of much use for cut flowers, but makes a nice Easter plant when well flowered. It sets buds better when the roots are cramped, and for this reason it is a good plan to keep the plants in 4-inch pots until the buds are well set. Mr. Craig has them in the house where the Christmas poinsettias were, at a temperature of about 55 degrees, which is warm enough for a daisy.

Rhododendrons and Hydrangeas.

Rhododendrons should now be in a temperature of 65 degrees at night. The early Easter makes it necessary to give them a proportionately early start. Different sorts vary a little as to the length of time needed. As soon as any begin to show color they can be set away in a cool place. Hydrangeas will be soft this year on account of the forcing they must be subjected to in order to get them in, and rhodo-

STUART LOW & CO., late of Hugh Low & Co. dissolved, are now receiving large importations of **BURMESE DENDROBIUMS**, such as *Wardianum*, *Crassinode*, *Fimbriatum*, *Devonianum*, *Nobile Brymerianum*, *Thyrsiflorum*, etc., and will give excellent value.

Also hold very large stock of **WARDIANUMS, CRASSINODES**, etc., to flower THIS SPRING.

Also **LAFLIO-CATTLEYAS, BRASSO-CATTLEYAS, ODONTOGLOSSUMS** in spike, all for Spring and early Summer flowering.

Catalogue on Application

Royal Nurseries, Bush Hill Park, Enfield, England

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City and Madison, N. J.

dendrons are sure to sell better on this account. The finest of all forcing rhododendrons is *Pink Pearl*. Its higher price is the only drawback to its being bloomed in enormous quantities. As it gets more plentiful and price goes down the demand will increase. Hydrangeas will require a night temperature of 100 to 75 degrees, with no let up, to get them in.

Dracaenas.

In raising dracaenas from canes, the young sprouts should be cut off about an inch from the joint and not close down to the cane. If cut close it would be a long time before any new growth would be developed, but when a space of an inch or so is left two more sprouts will be produced right away. Mr. Craig has some of the finer new ones now growing in the Isle of Pines for canes to be used in future propagation. Slow-growing kinds, such as *Mandiana*, take about two years to produce canes of the requisite length—about 5 feet. In that island *D. terminalis* is used around the negroes' cottage for chicken fences. *Dracaena Massangeana* in

Dreer's Tuberous Rooted Begonias

Fancy Leaved Caladiums, Gloxinias and Tuberoses.



The Begonias and Gloxinias which we offer are grown for us by an expert who has made a specialty of this class of plants for many years. You can secure cheaper but not better stock.

Begonias, Singles in separate colors, Scarlet, Crimson, White, Rose, Yellow and Orange, 40c per doz.; \$2.50 per 100; \$22.50 per 1000.

Begonias, Singles in choicest mixture, 35c per doz.; \$2.25 per 100; \$20 per 1000. Doubles in separate colors, Scarlet, Rose, White and Yellow, 60c per doz.; \$4.50 per 100; \$40.00 per 1000.

Begonias, Doubles in choicest mixture, 50c per doz.; \$4.00 per 100; \$35 per 1000.

Sun-Proof Begonia, Duke of Zeppelin, 85c per doz.; \$6.00 per 100.

La Fayette, \$1.25 per doz.; \$8.00 per 100.
Friiled Begonias, in separate colors, Scarlet, White, Pink and Yellow, \$1.00 per doz.; \$7.00 per 100; \$65 per 1000.

Gloxinias, in choice mixture, 60c per doz.; \$3.50 per 100; \$30 per 1000.

Fancy Leaved Caladiums, choicest standard Varieties, \$1.50 per doz.; \$10 per 100 choice new and rare varieties, \$2.00 per doz.; \$15 per 100 select new varieties, \$3.50 per doz.; \$25 per 100

Double Pearl Tuberoses, selected bulbs, 4 to 6 inches in circumference, \$1.00 per 100; \$8.00 per 1000.

For a full list of seasonable Plants, Bulbs and Seeds, see our Quarterly Wholesale Price List, issued Jan. 1.

HENRY A. DREER, Inc., Philadelphia

THE ABOVE PRICES ARE INTENDED FOR THE TRADE ONLY

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

ROEHRS, RUTHERFORD N. J. LORRAINE BEGONIAS

specimens four to five feet high is one of the best hotel plants. Its variegation being confined to the middle of the leaf, the margin being always solid green, makes the edges less liable to decay. The contents of a 200 ft. house of this *Dracaena* were all sold for Christmas.

Bougainvilleas.

A plant that stands well for weeks is *Bougainvillea Sanderiana*. Well flowered, it is a beautiful and very desirable thing; partially flowered it is of no account. The great key to success is in properly ripening the wood in the fall. A house of specimens 2½ to 3 ft. across in 10 and 12-in. pots will make a glorious show for Easter. These plants are three years old, home grown. They have now been for over three weeks in a night temperature of 60 degrees, and with bright weather there will be no

need to increase this. It is desirable to get the *Bougainvillea* well ahead, as then the color of the bracts will be more brilliant.

We shall have another "Wireless" next week about lilies and other Easter specialties.

ILLINOIS STATE FLORISTS' ASSOCIATION.

As we go to press this useful and influential Association is closing its labors at Champaign-Urbana, Ill., and we hope to give a detailed account of their proceedings in our next issue. Officers were elected for the coming year as follows: President, C. L. Washburn; vice-president, C. L. Lov-eridge; treasurer, F. L. Washburn; secretary, J. F. Ammann. The constitution was amended so that the executive board decides hereafter the time and place of meeting.

Ten points of excellence of the

New Seedling Begonia "GLORY of CINCINNATI"

1. It lasts longer in the dwelling than any other Begonia.
2. It is a most beautiful shade of soft, satiny pink.
3. The individual flowers are much larger than those of *Gloire de Lorraine*.
4. Easily propagated.
5. Easy of cultivation.
6. Strong, robust grower.
7. It can be grown in a 4-inch pot to look like a plant.
8. It flowers from October to April.
9. Not surpassed by any other Begonia.
10. The best plant for the Christmas Trade.

**\$1.00 each, \$9.00 per dozen,
\$50.00 per 100. July Delivery**

You cannot invest your money to better advantage.

J. A. PETERSON

McHenry Ave., Westwood,
CINCINNATI, O.

IVY CUTTINGS WANTED

Wanted to buy strong rooted cuttings of English Ivy. Please send sample with price for 10,000.

HINODE FLORIST CO.
WHITESTONE, N. Y.

Seed Trade

An Interesting Test.

An interesting bulletin on tests for purity of type of Jersey Wakefield Cabbage has been issued by the Pennsylvania State College, Center County, Pa. Strains from twenty-five seedsmen are represented in the test. The results noted are quite creditable to the houses mentioned except in four or five instances, the leading houses being notably on top as to purity of type, earliness, and yield. This bulletin is well worthy of perusal by all in the seed trade. C. E. Myers, Horticulturist of the Experiment Station, is the author.

We quote a sentence as showing the fairness and common sense of the experimenter:

"In order to make uniform sowing possible, the seed should be reasonably free from foreign matter, although in most instances impurities cause no serious trouble." Compare this with the Washington official attitude: "When inferior seed is present in considerable quantity it is naturally presumable that adulteration has been practiced." Every seedsman is familiar with the fact that some of the finest strains produce a very inferior looking sample of seed. It is gratifying to note that the Pennsylvania State College has too much sense to shout "adulteration" in cases of this kind.

Advancing In the Wrong Direction.

Furthermore, we are all the time insisting on heavier and heavier and more highly machined seed which may be a good thing in some ways, but it is open to question whether it is always desirable. Take *Agrostis vulgaris*, for instance. We have run this up from 15 to 30 pounds, but have we improved the strain by the process? Is not this grass now approaching in character a cereal instead of a grass? Ask anyone who has had experience with the chaffy 15-pound European *Agrostis*. More grass, less stalk, more permanent. The same thing happened thirty years ago with Ryegrass in Europe, when they ran it up from 18 to 28 and lost some of its best features by so doing.

The Best Criterion.

The State College people have the right idea. The strain is the important thing and the chaff or other foreign matter that may be in a sample is of very minor importance. Even germination sinks into insignificance beside the important consideration of strain—purity of type and all the good qualities that the word covers. Of course, every good seedsman is well aware of this, but one would think that the world of officialdom had not an inkling of it from the hue and cry they make about chaff and impurities and adulteration.

Notes.

Mr. McTaggart, long familiar to the trade as a salesman in Thorburn's seed store, New York, has resigned his position to go into other business.

Sturgeon Bay, Wis. It was reported in our last issue that the Northwestern Seed Co. had been incorporated here. This should have read, Northern Wisconsin Seed Co. This concern is

capitalized at \$25,000. C. E. Dreutzer is president, R. W. Craig secretary. They will cultivate about 1,200 acres this year.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

Monday, Feb. 14, was "Carnation Night," at Florists' Exchange Hall. It was the largest attendance held for some time, and the flower attraction was worth the visit. Before the meeting many ladies were among the throng admiring the splendid specimens of carnations, etc. Among the exhibits were several fine lots from outside the state. Henry Eichholz showed fine bunches of Princess Charming, a delicate Daybreak pink, and Washington, a rich cerise, the latter a sport from Enchantress. Judges awarded a certificate of merit on both of above named carnations. The Chicago Carnation Co. sent some specimens of a new carnation, but they arrived in such a condition that it was quite impossible to pass on merit. The flower was Conquest, variegated in color, good stems, and apparently a "good" flower in size. Another variety was Mary Tolman, Daybreak pink, and specimens also of Sangamo, a dark pink. The general exhibit was made by local florists among whom were Isaac H. Moss, F. Bauer, James Hamilton, who also had a magnificent lot of Ivory, Bridesmaid and Golden Gate roses; Lehr Bros., John Nuth, Henry Fischer, J. Rider, Ruxton Floral Nursery Co., Jno. F. King, M. Thau & Co. (crimson seedling), Geo. Morrison, F. D. Kline, Philip B. Welsh (new "Albina"), Henry Cairns, W. C. Erdman and Richard Vincent, Jr., & Sons Co. (also dahlias).

In answer to question "What makes stems of carnations weak and the buds to split?" Mr. Eichholtz said his experience was that having the temperature of the houses too warm at night was one of the causes, and overfeeding another. Said he aimed to have the temperature in his houses between 42 and 45 degrees at night. He remarked by his method he might not have as free bloomers, but knew he secured more perfect blooms.

The next meeting of the club will be the annual election which will be followed by a banquet. The past year shows a most gratifying increase in the attendance and interest at the meetings. Robt. L. Graham gave a very interesting talk of a recent visit to California, and James Hamilton also entertained the club with his experiences in early days in the extreme northwest. Other experiences of a like nature will follow. Many florists have joined the club the past year.

G. O. B.

HORTICULTURAL INSPECTION BILL WITHDRAWN.

We have just received a telegram announcing that Bill No. 15,656 introduced by Congressman Simmons and referred to the Committee on Agriculture, has been withdrawn. It was a very objectionable bill in some of its provisions, enforcing dock inspection of plants, etc., and the opposition among the horticultural importers and others was very strong. We congratulate them on this very pleasant news.

— GREEN — Cane Stakes For Your Lilies

6 to 8 ft., \$7.00 per 1000

WM. ELLIOTT & SONS,
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I OFFER CHOICE QUALITY

Early Ohio Potatoes, \$1.00 bu.; Early Irish Cobblers, \$1.00 bu.; Genuine Danish Ball-head Cabbage Seed (imported stock) \$.40 lb. All Early Radish seed (French Stock) \$.40 per lb. Northern grown Kellow or White Onion Sets, \$2.35 per bu. All F. O. B. Syracuse. Remittance with order. Reference any bank in Syracuse.

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Established 1868
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EARLY TOMATOES IN CONCRETE PLANT PROTECTORS

A tried and proven success. Keep out frost and draw heat. Equal for forcing to the famous bell jars used in France. Field trials show four times the yield, ripening a month ahead of season, and value increased 100 times. No blight or insects. Useful for lettuce, rhubarb, melons, etc. Hold water for irrigation. Patent just issued on protectors, and line wire opens or closes 100 instantly. Illustrated treatise tells how to make them quickly at 2c each, how to make molds at 25c. Also, full information about this method. Each purchaser of book has privilege to make mold and protectors. Mention this paper and send \$1.00 for book. Money back if not satisfied.

J. H. HALEY, Seed Grower, Munith, Mich.

NEW CROP FLOWER AND VEGETABLE SEEDS FOR FORCING

Asters, Salvia, Vincas, Verbenas, Stocks and Petunias, Tomato "The Don," Onion "Ailsa Craig" Mushroom Spawn—English and Pure Culture. Special prices and catalogue on application.

Seed Merchants & Growers
Weeber & Don, 114 Chambers Street, NEW YORK

Peas and Beans

If you want our growing prices for Crop 1910 please let us know.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

ST. LOUIS FLORIST CLUB.

The monthly meeting, Feb. 10, was fairly well attended. J. A. Peterson of Cincinnati, staged a plant of Begonia Glory of Cincinnati, which attracted a great deal of attention and was awarded a certificate of merit. The committee on advertising reported through C. Deloever and a big discussion followed. Three new members were added to the committee, viz., W. C. Young, E. W. Guy and W. C. Smith.

J. F. Ammann and E. W. Guy of the Illinois State Florists' Association, invited the members to attend the convention of their society at Champaign, Feb. 15 and 16, and the invitation was accepted with thanks. W. C. Smith then gave a talk on "The Troubles of a Wholesaler." Considerable time was taken up in discussions from the question box, some of them very interesting to the growers present. The secretary announced that the next meeting would take place Thurs., March 10.

RELIABLE ASTER SEEDS

INVINCIBLE. A superior strain of great value to the florist for cutting; plants of branching habit; flowers of large size and perfectly double.

	Trade Pkt.	Oz.
235 Blue	\$0 30	\$1 50
236 Crimson	30	1 50
237 Lavender	30	1 50
238 Rose Pink	30	1 50
239 White	30	1 50
239A Mixed	30	1 25

IMPROVED SEMPLE'S BRANCHING (Michell's).

An improved strain which has been obtained by years of careful selection.

	Trade Pkt.	Oz.
257 Lavender	\$0 40	\$1 50
258 Rose Pink	40	1 50
259 Shell Pink	40	1 50
260 Purple	40	1 50
261 Crimson	40	1 50
262 White	40	1 50
263 Choice Mixed	40	1 50

QUEEN OF THE MARKET (Extra Early). A well-known and desirable florists' variety.

	Trade Pkt.	Oz.
275 Dark Blue	\$0 20	\$0 60
278 Crimson	20	60
276 Light Blue	20	60
274 Rose Pink	20	60
277 Blush Pink	20	60
279 White	20	60
280 Mixed	20	60

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JUST ARRIVED.

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Reliable Seeds

Of My Own Raising.

	Oz.	Tr.	Pkts
Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts. \$1.25.....			.25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts. \$1.25.....			.25
Phlox dwarf Fireball.....	2.50		.35
" " Roseball.....	2 10		.3
" " Snowball.....	3 00		.40
" " Cecily, all shades mixed.....	4 50		.35
Salvia Zangen's Fireball, fine for pots, early.....	4 00		.50
Salvia Zangen's King of Scarlets late.....	1 00		.50
" " Zurich, earliest dwarf.....	8 50		.50

For Other Seeds See My New Catalogue. IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

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CATALOGUE

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NEW PRICE LIST

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SEED for FLORISTS

TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc.

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**CABBAGE
PARSLEY
LETTUCE**

Wakefield and Succession.
\$1.00 per 1000. \$8.50 per 10,000.
25 cts. per 100.
\$1.25 per 1000.
Big Boston, Boston Market and
Grand Rapids. \$1.00 per 1000.

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



Stock Seed

Fiske's Branching in all colors, Tr. pkt. 40c. oz \$4.00.
Pure White, Tr. pkt. 5c. oz. \$5.00.
Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
Boston, Mass.

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DETROIT, MICH.

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DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

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will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

Melrose, Mass.—F. O. Taylor, W.
Emerson street.

Springfield, Mo.—L. E. Shattuck
and F. E. Miller will start a 10-acre
nursery here soon at Latoka Heights.

Spokane, Wash.—The Rose Floral
Co., 420 Riverside avenue. Frank T.
Manahan and H. J. Vollmer are man-
agers. Mr. Manahan is a florist from
Chicago and Mr. Vollmer was formerly
with the San Francisco Examiner.

PERSONAL.

Mr. and Mrs. D. F. Roy of Marion,
Mass., are spending a few weeks at
Palm Beach, Fla.

William H. Young, formerly of Clif-
ton, N. J., has been installed in charge
of the rose houses of the John Young
Company at Bedford, N. Y.

Edwin J. Hill, of the Hill Floral Co.,
Ansonia, Conn., who is ill at his home
on Hull street, is said to be in a very
serious condition and his friends feel
much alarmed.

STEAMER DEPARTURES

Cunard.

Umbria, N. Y.-Liverpool.....Feb. 23

French.

La Touraine, N. Y.-Havre....Feb. 24

Hamburg-American.

Kaiserin Auguste, N.Y.-H'b'g.Feb. 26

North German Lloyd.

Geo. Washington, N.Y.-B'm'n.Feb. 24
Barbarossa, N.Y.-Med't'n....Feb. 26

Red Star.

Lapland, N. Y.-Antwerp.....Feb. 23

White Star.

Oceanic, N. Y.-S'hampton....Feb. 26
Romanic, Boston-Med't'n....Feb. 26

P. Welch of Boston is laid up with
the grip since last Sunday. Best wishes
for his speedy recovery are extended
and will no doubt be sincerely con-
curred in by the fraternity wherever
this genial Bostonian is known—and
that's about everywhere.

H. S. Buckman arrived at Lompoc,
Cal., a few days since from Philadel-
phia to associate himself with Edwin
Lonsdale, resident manager of the W.
Atlee Burpee seed farm. Mr. Buck-
man has been connected with the Bur-
pee house for a number of years and
is an experienced seed man.

Visitors in St. Louis last week were:
Mr. and Mrs. M. B. Leach of Taylor-
ville, Ill.; James J. Karins, Philadel-
phia; Paul Berkowitz, Philadelphia; B.
Eschner, Philadelphia; E. H. Riehl,
Alton, Ill.; J. F. Ammann, Edwards-
ville, Ill.; E. W. Guy and A. S. Hal-
sted, Belleville, Ill.; Edwin Denker, St.
Charles, Mo.

Worcester, Mass.—H. F. A. Lange,
florists, have leased the store at 371
Main street and will move from 274
Main street to the new location dur-
ing the coming season.

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Flowers or Design Work

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In Brooklyn and other Long Island Points
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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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CARE OF YOUR ORDERS IN Wisconsin**THE BOSTON
CUT FLOWER CO.**

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Telephone, Main 3681.**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

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2 Beacon St., Boston**WELLESLEY COLLEGE**Bana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 5. Night 44-3.**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**GALAX, bronze and green, fresh crop
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.**ROBERT J. DYSART**

Public Accountant and Auditor

Simple methods of correct accounting
specially adapted for florists' use.Books Balanced and Adjusted
Merchants Bank Building28 STATE STREET, - BOSTON
Telephone, Main 58.In ordering goods please add "I saw
it in HORTICULTURE."

A MODEL RETAIL FLORIST'S PLACE.



The photograph shows the establishment of H. V. Lawrence, at Falmouth, Mass., consisting of office and store and a display house which was added the past season. The front of the house having 48 x 60 glass makes rather an attractive feature, and it has received some very favorable comment from visitors. The other greenhouses are connected in the rear. The place is not large, containing only about 8000 feet of glass, but is well arranged for growing first class stock for a rather critical local trade. The land at the rear contains about four acres devoted to nursery stock, herbaceous plants and summer flowering things for cut

flowers. A line of seeds and other garden requisites are also carried, and a modest catalogue is issued annually.

Eighteen years ago Mr. Lawrence took up the study and practice of landscape gardening which business has grown until it requires the major portion of his personal time and effort, and he can count among his clients many noted summer residents at the South Shore.

Geo. A. Black, formerly of Brighton, is foreman in the greenhouses. Two assistants are employed under glass, and about twenty-five men in the landscape department during the working season.

"FLOWERS BY TELEGRAPH."Leading Retail Florists Listed by
Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Malden Laue.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New Orleans, La.—Chas. Eble, 121 Baronne St.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

BUSINESS CHANGES.

Columbus City, Ind.—D. C. Noble and wife have purchased the greenhouses of Lancaster & Simpson and will take immediate charge.

Webb City, Mo.—J. E. Meinhort of Leavenworth, Kans., has purchased the Brennerman greenhouses and will take charge of the business March 1.

THE BEST LETTERSFOR
FLORISTS'
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTONInscriptions, Emblems, etc., Always
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ACACIA**PUBESGENS**

Cut Sprays of this Choice Yellow Novelty
at \$2.50 per Bunch.

CARNATIONS

Our supply in quality and quantity is hard
to beat. Try a sample shipment
of our \$3.00 Grade.

Business hours: 7. A. M. to 8 P. M.

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growers

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these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

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and WHITE TULIPS**

IN QUANTITY.

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Florists
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CUT FLOWER BOXES

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MANUFACTURERS
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Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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We can supply everything used by the
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Greenhouses, - Morton Grove, Ill.

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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Feb. 15		Feb. 15		Feb. 15		Feb. 16	
ROSES								
Am. Beauty, Fancy and Special.....	40.00	to 50.00	35.00	to 45.00	40.00	to 50.00	30.00	to 40.00
" Extra	30.00	to 40.00	30.00	to 35.00	35.00	to 40.00	20.00	to 25.00
" No. 1.....	20.00	to 30.00	20.00	to 30.00	15.00	to 25.00	10.00	to 15.00
" Lower grades.....	10.00	to 20.00	10.00	to 20.00	5.00	to 10.00	3.00	to 8.00
Bride, 'Mald, Chatenay, F. & S.	12.00	to 15.00	8.00	to 15.00	12.00	to 15.00	0.00	to 8.00
" Lower grades.....	5.00	to 8.00	6.00	to 8.00	5.00	to 8.00	2.00	to 4.00
Killarney, Fan, & Sp.	10.00	to 15.00	12.00	to 16.00	12.00	to 15.00	8.00	to 12.00
" Lower grades.....	5.00	to 8.00	8.00	to 12.00	5.00	to 8.00	8.00	to 6.00
Richmond, Fancy & Special	10.00	to 15.00	10.00	to 15.00	12.00	to 15.00	8.00	to 12.00
" Lower grades.....	5.00	to 8.00	6.00	to 10.00	6.00	to 8.00	8.00	to 6.00
My Maryland	4.00	to 12.00	6.00	to 12.00	6.00	to 12.00	2.00	to 10.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	2.00	to 4.00	3.00	to 5.00	3.00	to 4.00	1.50	to 2.00
"	1.50	to 2.00	2.00	to 3.00	1.50	to 2.00	1.00	to 1.85
MISCELLANEOUS								
Cattleyas.....	.....	to 50.00	35.00	to 50.00	.....	to 50.00	.....	to 50.00
Lilies.....	12.00	to 15.00	12.50	to 15.00	8.00	to 12.50	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.50	2.00	to 5.00	1.00	to 3.00
Violets .....	.75	to 1.00	.75	to 1.25	.25	to 1.00	.20	to .50
Mignonette	4.00	to 6.00	4.00	to 5.00	1.50	to 4.00	2.00	to 4.00
Sweet Peas .....	.75	to 1.50	1.00	to 1.50	.50	to 1.50	.50	to .75
Roman Hy. Paper Whites.....	.....	to 3.00	2.00	to 3.00	2.00	to 3.00	1.00	to 2.00
Trumpet Narcis	3.00	to 4.00	4.00	to 6.00	3.00	to 4.00	1.00	to 3.00
Tulips.....	3.00	to 4.00	4.00	to 6.00	2.00	to 4.00	2.00	to 3.00
Gardenias .....	.....	to 35.00	30.00	to 50.00	25.00	to 35.00	25.00	to 30.00
Adiantum .....	.75	to 1.00	1.00	to 1.25	1.00	to 2.00	1.00	to 1.50
Smilax	12.00	to 15.00	12.00	to 15.00	15.00	to 20.00	12.00	to 16.00
Asparagus Plumosus, strings (100)	50.00	to 60.00	45.00	to 60.00	.....	to 50.00	.....	to 50.00
" " & Spren. (100 bchs.)	30.00	to 40.00	25.00	to 35.00	35.00	to 50.00	.....	to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.

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FLORISTS' SUPPLIES*Send for New Catalogue***H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000.
Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100;
\$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest
quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in
cut or cut fronds. Try it

HENRY M. ROBINSON & CO. 15 Province Street,
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LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD,
CHICAGO, ILL. FRESH STOCK.Long Distance Phone
Randolph 2758Telegraph, Telephone or
Bring in Your Orders.We Grow Our
Own Flowers.

Roses and Carnations Our Specialty

Flower Market Reports

BOSTON Fluctuations are the order of the day in the flower market, with a gradual tendency downward on most lines. Colored carnations are in over-supply but white ones and, in some degree, Enchantress are selling fairly well. On roses there is a decline on the average of from ten to fifteen per cent. on the entire list. Lillies are very abundant and inclined to accumulate. The same is true of bulbous material, as a class; yellow narcissi being perhaps the worst sufferers. Lily of the valley is distinctly weak, although the quality is good. The entire market throughout shows a slackening up of activity, but those who have good memories do not regard the conditions as materially different from those prevailing in other years at the same period.

BUFFALO Trade has been good for the past two weeks and a good supply of stock, especially carnations has been coming in. Too much of the ordinary brand of carnations has blocked the market, but fancy stock has had a good outlet, especially in white and the light colors. Spring material has had a good demand, although coming in heavier than can be disposed of. In this line single and double daffodils and tulips have been plentiful. Peas have sold well, also Roman hyacinths, lily of the valley, mignonette and daisies. There are plenty of violets, but the severe cold snap has had a tendency to reduce the sales. In the rose line there is a shortage of the short grades, but enough select stock can be had. Beauties are in fair supply, with demand only normal.

CHICAGO The first week in Lent was not different from the preceeding ones. So long as the supply of good flowers will barely suffice to go around, there will be no change. A sunny day will cause extra blooms to appear and a little ripple in the market is the result, but a cloudy day follows and the old conditions prevail. Long Beauties are still noted for their absence. Carnations in red and pink sold quickly to fill valentine orders. Violets also were in good demand Sunday to fill boxes, but the flurry soon died down and on Monday, the 14th, there were more violets than the market could use. The price Monday was much less than on the previous day. Pussy willows are shown in both the wholesale and retail stores and possibly do something toward making the keen wind feel springlike. Stocks are rather straggling, bulbous stock being rather near to getting too plentiful, and callas are beginning to come in. Eastern ferns are arriving in various stages, some good and others poor. Boxwood has taken a spurt this week.

The volume of green-house product disposed of last week is fully up to the mark and no deteriorating Lenten effect has been felt as yet. An increasing supply of spring flowers, especially the better quality of hyacinths and tulips coming in now helps a great deal to stimulate trade. Wholesalers in general find this season a satisfactorily paying one. An excessively long period of dark days



Luxury and Exclusiveness In Florists' Ribbons

BARGAIN OFFER—THIS WEEK ONLY

Guaranteed all silk and best quality. Our **Satin and Gros Grain**—"pattern 200"—is one of the most popular for design and funeral work. Made extra heavy for this special trade.

Satin and Gros Grain Pattern 200

234 pieces, No. 12 width—
regular price 95c—this week
75c.

115 pieces, No. 16 width—
regular price, \$1.10—this
week
95c.

Colors in Both Widths
—Violet, purple, pink, and
American Beauty.



GREEN CARNATION DYE, \$1.00 per package, enough for 200 to 300 flowers.
GREEN CHIFFON, 6 in., 4c per yard.

Catalogue of Ribbons and Supplies on Request

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Feb. 15		Feb. 15		Feb. 15		Feb. 15	
ROSES								
Am. Beauty, Fan. and Sp.	30.00	to 40.00	30.00	to 40.00	40.00	to 50.00	40.00	to 50.00
“ Extra	20.00	to 25.00	10.00	to 25.00	20.00	to 30.00	25.00	to 35.00
“ No. 1	10.00	to 15.00	6.00	to 9.00	10.00	to 15.00	15.00	to 20.00
“ Lower grades	10.00	to 15.00	4.00	to 6.00	6.00	to 8.00	6.00	to 10.00
Bride, 'Maid, Chatenay, F. & S.	8.00	to 10.00	10.00	to 15.00	10.00	to 15.00	8.00	to 12.00
“ Low. gr.	4.00	to 6.00	6.00	to 10.00	4.00	to 8.00	4.00	to 5.00
Killarney, Fan. & Sp.	6.00	to 10.00	10.00	to 15.00	10.00	to 15.00	8.00	to 15.00
“ Lower grades	4.00	to 6.00	6.00	to 10.00	4.00	to 10.00	.....	to 6.00
Richmond, Fancy & Special	6.00	to 10.00	10.00	to 15.00	12.00	to 15.00	8.00	to 15.00
“ Lower grades	4.00	to 6.00	6.00	to 10.00	6.00	to 12.00	.....	to 6.00
My Maryland	.....	to	6.00	to 12.00	8.00	to 15.00	6.00	to 10.00
CARNATIONS, Novelties and Fancy								
“ Ordinary	2.00	to	2.00	to 3.00	2.00	to 2.50	1.00	to 2.00
MISCELLANEOUS								
Cattleyas	.....	to .....	.....	to	50.00	to 75.00	50.00	to 60.00
Lillies	10.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.00	to 15.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	4.00	to 5.00	2.00	to 4.00
Violets	.50	to 1.00	.75	to 1.00	.50	to 1.00	.50	to 1.00
Mignonette	3.00	to 6.00	10.00	to 1.00	3.00	to 5.00	2.00	to 4.00
Sweet Peas	.75	to 1.00	1.00	to 1.50	.50	to 1.00	.50	to 1.50
Roman Hy. Paper Whites	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Trumpet Narciss.	3.00	to 4.00	4.00	to	3.00	to 4.00	3.00	to 4.00
Tulips	3.00	to 4.00	.....	to	2.00	to 3.00	3.00	to 4.00
Gardenias	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum	1.00	to	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	12.00	to 15.00
Asparagus Plumosus, strings (100)	2.00	to	3.00	to 5.00	25.00	to 50.00	35.00	to 50.00
“ “ & Soren. (100 bchs.)	25.00	to	3.00	to 5.00	25.00	to 50.00	35.00	to 50.00

has prevented any over-supply in January. If crops were short the good prices obtained fully has recompensed the grower. St. Valentine's Day seemed

to bring about the usual increase of orders, with an old-time revival in the popularity of violets.

(Report continued on page 276)

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

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VIOLETS**Selling Agent for the Largest and Best
Growers in the Hudson River District.

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Glassware Decorative Greens and Florists' Requisites**JOHN I. RAYNOR****Wholesale Commission Florist** SELLING AGENT FOR
LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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ORCHIDS A SPECIALTY**THE HIGHEST GRADE OF VALLEY ALWAYS
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759 Mad. Sq. 42 W. 28th St., New York**PHILIP F. KESSLER**

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Open from 5 a. m. to 6 p. m. Sunday
till 10 a. m.

Tel. 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

CUT FLOWERS
Finest Lilies in the Market Every Day in the Year.**NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Feb. 12 1910		First Half of Week beginning Feb. 14 1910	
American Beauty, Fancy and Special.....	25.00	to 50.00	25.00	to 40.00
" " Extra.....	15.00	to 20.00	15.00	to 20.00
" " No. 1.....	8.00	to 12.00	8.00	to 12.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Taid, Golden Gate, Fancy and Special.....	5.00	to 10.00	5.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Killarney, Fancy and Special.....	6.00	to 15.00	6.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Richmond, Fancy and Special.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Fly Maryland.....	3.00	to 12.00	2.00	to 10.00
Carnations, Fancy and Novelties.....	3.00	to 4.00	1.50	to 2.00
" " Ordinary.....	1.00	to 2.00	.75	to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET

PHONES. 1664-1665 MADISON SQUARE

ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
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THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.Tel. 1519 Mad. Sq. 113 W. 28 St., New York.
5893**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**Manufacturer and Patentee of the Perfect
Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

118-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

MEYER GREEN SILKALINE

For Sale by all Responsible Houses throughout the country. Be sure that each spool is marked

MEYER GREEN SILKALINE

and take no other.

Price \$1.25 per lb., 8 spools to the lb.—16 oz. actual weight of Thread.

Manufactured by

JOHN C. MEYER & CO.

1500 Middlesex St., LOWELL, MASS.

WHOLESALE FLORISTS

54 West 28th St.
NEW YORK

Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

RECEIVERS & SHIPPERS OF CUT FLOWERS.

CONSIGNMENTS SOLICITED.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

Large....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

GROWERS FOR NEW YORK MARKET

Are invited to call or write. I can dispose of your flowers for the entire season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports.

(Continued from page 230)

We do not make a NEW YORK practice of continually showing up the bad side of the flower market in these weekly reports. It is possible, if one is so disposed, to find on practically every day in the year, features that might be and ought to be better, and on which it is not easy to make other than unfavorable report from the viewpoint of one or the other interests. But it does happen, once in a while, that anything other than a tale of dispiriting market tendencies would be a misrepresentation; this is one of those periods. Trouble has not struck in very severely at present writing, but that it is on the way and only requires a couple of days of sunny aspect to develop to full proportions is evident to all good judges. Bulbous material has begun to accumulate; carnations are in the same predicament, and the buyers can practically set his own price; as usual, Valentine's Day gave the violets a boost, but "now comes the deluge." Roses, although of an average quality rarely attained, are showing the sluggishness which precedes a blockade and buyers—street as well as legitimate—are assuming that attitude of indifference which the experienced operator in the wholesale district so well knows how to interpret. The early date on which Easter comes is the brightest spot in the local outlook, as it insures a substantial post-Lent period of social activity before the annual spring exodus of society people. For the present all hope for the best, and should our deductions as to the prospects for the next few weeks prove to have been mistaken, nobody will be better pleased than the writer.

Business for the PHILADELPHIA first week in Lent was as good as could be expected. Improvement may reasonably be looked for from now on. St. Valentine's Day business was han-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb 12 1910		First Half of Week beginning Feb. 14 1910	
Cattleyas.....	35.00	to 50.00	35.00	to 50.00
Lilies.....	6.00	to 8.00	4.00	to 8.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Narcis. Paper White.....	1.00	to 2.00	1.00	to 2.00
Trumpet Narcis.....	1.50	to 3.00	1.00	to 2.00
Tulips.....	1.50	to 4.00	1.00	to 4.00
Violets.....	.25	to .50	.20	to .50
Mignonette.....	2.00	to 5.00	2.00	to 5.00
Sweet Peas (per 100 bchs).....	5.00	to 12.00	5.00	to 12.00
Gardenias.....	5.00	to 40.00	5.00	to 40.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	10.00	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings.....	25.00	to 50.00	25.00	to 50.00
" & Sprea. (100 bchs).....	25.00	to 35.00	25.00	to 35.00

dicapped for two reasons: coming in Lent and coming on a Monday. Still, there was quite an appreciable difference in demand the three days preceding. Violets sold about as well as any one thing. Gardenias also sold well, and so did sweet peas. Roses were rather sluggish—the best seller being Richmond. American Beauty has been scarce and below grade as to quality, and the retailers have not been pushing it. Carnations are more plentiful than ever and of tip-top quality. The supply of orchids has fallen off a little and they remain good stock as far as demand is concerned. A fairly good trade was done in such minor items as freesia, daffodils, myosotis. Roman hyacinths and mignonette.

Although Lent is upon us, there is not an appreciable change in the market. St. Valentine's Day kept things lively, particularly in the bulbous line. Gardenias took quite a tumble last week; flowers that had been bringing as much as \$1.50 each at retail, dropping to half that price. Carnations have been in unusual demand; Light-pink Enchantress leads in favor.

Wellesley, Hills, Mass.—A. G. Lake, florist, has failed. Liabilities \$7,000. Assets mild.

NEWS NOTES.

Springfield, Ill.—H. F. Janssen will open a seed and flower store at 408-410 E. Adams street.

Cheshire, Conn.—The North Western Forestry Co. has completed negotiations for the purchase of 100 acres of land in Cheshire to be used as a forestry nursery.

Paterson, N. J.—Robert Smith, the well known Market street florist, has been forced to give up business on account of his inability to meet his obligations.—Paterson (N. J.) Press.

Kennewick, Wash.—The Van Holderbeke Nursery Co. is preparing to open a nursery here. The company has 83 acres, half of which was used for a nursery last year. A. Von Holderbeke is manager.

Owosso, Mich.—Herman Thieman has purchased the interest of Mr. Ede in the Owosso Floral Co., and will continue business with Stuart Beebe. They have purchased additional land on Hickory street. Mr. Thieman will dispose of his property in Munson, Mass., and take up his business duties here early in March.

SOUTHERN WILD SMILAX

Fully Guaranteed.

LOUISVILLE FLORAL CO.

Louisville, Ala.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, 5000 strong field stock, 18 to 24 live tops, also 50,000 privet, 20 to 30, 18 to 24 and 15 to 18 in. Write Benj. Connel, Merchantville, N. J.

ARAUCARIAS

A. Leuthy & Co. Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

Asparagus Pl. Nanus clumps, strong, \$6.00 per 100. Seeds \$2.00 per 1000. P. Mack, Orlando, Fla.

ASTER SEED

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

Aster Seed. Not wonderful, but fresh, reliable seed of all the finest florists' varieties. Send for list. Lady Roosevelt \$4.00 per oz. R. E. Huntington Painesville, O.

AUTOMATIC SPRAYING MACHINE

J. G. Mastin & Co., Chicago, Ill.
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AZALEAS

A. Leuthy, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
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BAY TREES.

2000 Bay and Box Trees in all sizes. Pyramid and Standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Edward Wallis, Atco, N. J.
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BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Bobbinck & Atkins, Rutherford, N. J.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., New York.

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A. T. Boddington, 342 W. 14th St., N. Y.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Bermuda Lilies.
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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

French Bulbs, Horseshoe Brand.

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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

French and Dutch Bulbs.

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H. E. Fiske Seed Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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CANNAS

Arthur T. Boddington, New York, N. Y.
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Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier. \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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The E. G. Hill Co., Richmond, Ind.
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Baur & Smith, Indianapolis, Ind.
Carnation Shasta.

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Carnation Sangamo.

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Chas. H. Totty, Madison, N. J.
Rooted Cuttings.

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CARNATIONS—Continued

Skidelsky & Irwin Co., Philadelphia, Pa.
Rooted Cuttings.
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Cottage Gardens Co., Queens, L. I., New York.

Carnations Alma Ward and Mrs. C. W. Ward.

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Joseph Heacock, Wyncote, Pa.

Carnation Dorothy Gordon.

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George E. Buxton, Nashua, N. H.

Bon Ami.

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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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Edward Wallis, Atco, N. J.
Rooted Cuttings.

For page see List of Advertisers.

2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracema Indivisa in 3 1/2 and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Gloria, a large, early Enchantress colored 'mum. R. C. now ready, 25, \$1; 100, \$1.75, prepaid. Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Pompons, field clumps, 4c; the lot of 1000, \$30.00. Hugo Kind, Hammonton, N. J.

CLEMATIS

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

3,600 Clematis Mme. B. Vellard, at 8c. each. Parks & Schaufelberger, Fenfield, N. Y.

COLEUS

Coleus, 300,000 rooted cuttings, \$4.00 per 1000; 60c. per 100 by mail. Verschaffelt, Golden Bedder, Queen Victoria, Fire Brand and varieties. Cash. C. Schulze & Son, 261 Lawrence Street, Flushing, New York.

CONCRETE PLANT PROTECTORS

J. H. Haley, Munith, Mich.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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CYCLAMEN

Thomas Roland, Nahant, Mass.
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DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Acto, N. J.

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J. L. Moore, Northboro, Mass.

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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias, good, strong division; all named varieties, \$1.75 per 100. C. W. Hoffman, Route 13, Dayton, Ohio.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yette, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

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Godfrey Aschmann, Philadelphia.

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EASTER PLANTS

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H. H. Barrows & Son, Whitman, Mass. Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.

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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.

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Julius Roehrs Co., Rutherford, N. J. Farleyense.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson, Tarrytown-on-Hudson, N. Y. Select Ferns.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.

Evergreen Brand Fertilizer.

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FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirer, 6417 Carnegie Ave., Cleveland, O.

Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100, 3-in. \$4.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

GLADIOLI

E. S. Miller, Wading River, N. Y.

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J. L. Moore, Northboro, Mass.

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Arthur Cowee, Berlin, N. Y.

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Thomas J. Oberlin, Sinking Spring, Pa.

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Gladioli. Independence, the best red in the market; also Mrs. Frances King, Giant Pink, Augusta and Groff's hybrids, genuine stock. Write for prices. Geo. S. Woodruff, Independence, Iowa.

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

Buy Independence gladiolus direct from home. We grew the stock that was introduced in 1908. Planting sizes cheap for cash. G. D. Black & Co., Independence, Iowa.

If you want good stock of Gladiolus and Dahlias at reasonable prices write Jantzen & Hoebe, Hicksville, Long Island, N. Y.

GLADIOLI—Continued

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladioli. Send for list. Kirschhoff's, Pembroke, N. Y.

Gladioli Mrs. Francis Kling, \$3.00 per 1000; also other choice sorts cheap. Cash. P. O. Coblenz, New Madison, Ohio.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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A. T. Stearns Lumber Co., Neponset,

Boston.

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Hitchings & Co., 1170 Broadway, New York.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

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Hitchings & Co., 1170 Broadway, New York.

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GREEN CANE STAKES

Wm. Elliott & Sons, New York, N. Y.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hail Asso. of America.

J. G. Esler, Saddle River, N. J.

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In writing to Advertisers kindly mention Horticulture

HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., Boston, Mass.
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- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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- The Kervan Co., New York.
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- Rice Bros., Minneapolis, Minn.
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- Lord & Burnham Co.,
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- Kroeschell Bros. Co., 466 Erie St., Chicago.
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- Hitchings & Co., 1170 Broadway, N. Y.
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HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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HOSE

- Henry A. Dreer, Philadelphia, Pa.
Garden Hose.
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HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
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- Lord & Burnham Co., 1133 Broadway, N. Y.
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- Foley Mfg. Co., Chicago.
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- Parshelsky Bros., Brooklyn, N. Y.
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HOT WEATHER LETTUCE

- I. N. Simon & Son, Philadelphia, Pa.

HYDRANGEAS.

Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2 1/2 inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

Hydrangea arborescens grandiflora. We have the largest stock of strong, 2-year plants in America. Plants 2 to 3 ft., \$2.50 per doz.; \$15.00 per 100; \$140.00 per 1000; good plants, 15 to 20 inches, \$10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

INSECTICIDES.

- Necotidic kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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- Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.
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- B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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- Aphine Manufacturing Co., Madison, N. J.
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- H. A. Stoothoff Co., Mt. Vernon, N. Y.
Tobacco Powder.
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IRIS

- E. S. Miller, Wading River, N. Y.
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- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St., New York.
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KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
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- Julius Roehrs Co., Rutherford, N. J.
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- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield, Mass. Dept. 8.
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LILACS

- Ellwanger & Barry, Rochester, N. Y.
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LILIES

- E. S. Miller, Wading River, N. Y.
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LILY OF THE VALLEY PIPS

- Hjalmar Hartmann & Co., Langangstraed 20 Copenhagen, Denmark.
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NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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- New Engand Nurseries, Bedford, Mass.
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- W. & T. Smith Co., Geneva, N. Y.
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- Leesley Bros., Chicago, Ill.
Trees, Shrubs, Evergreens, Hardy Plants.
Berrydale Exper. Gardens, Holland, Mich.
New Berry Plants.
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- German Nurseries and Seed House, Beatrice, Neb.
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- F. W. Kelsey Nursery Co., New York, N. Y.
Nursery and Florists' Products.
Bobbink & Atkins, Rutherford, N. J.
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- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

- Stuart Low & Co., Enfield, England.
Burmese Dendrobiums and Other Seasonable Orchids.
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- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Carrillo & Baldwin, Mamaroneck, N. Y.
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- Ordenez Bros., Madison, N. J., Box 105.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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- Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
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- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

OSMUNDA FIBRE

- C. W. Brownell & Co., Walden, N. Y.
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PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- John Scott, Brooklyn, N. Y.
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- Siggers & Siggers, Washington, D. C.
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PEAT

- C. W. Brownell & Co., Walden, N. Y.
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- Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
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PEONIES

- The E. G. Hill Co., Richmond, Ind.
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- PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.
- Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

- Henry A. Dreer, Philadelphia, Pa.
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PHOENIX ROEBELINI SEED

- Sander, Bruges, Belgium.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

- Geo. W. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

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- Kroeschell Bros. Co., 466 Erie St., Chicago.
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- Buxton Doane Co., 13 Midway St., Boston.
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- Metropolitan Material Co., Brooklyn, N. Y.
- PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT CUPS AND BOXES

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- Seele's Tieless Plant Stakes and Trelises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

- Henry A. Dreer, Philadelphia, Pa.

POTASH

- German Kali Works, Baltimore, Md.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2 inch, 2c.; *Obconica Ronsderfer*, Lattmanns Hybrids, 10 colors mixed, 2 inch, 2c.; *Obconica gigantea*, mixed, 2 inch, 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. Fink, Pottstown, Pa.

PRIVET**CALIFORNIA PRIVET.**

500,000 3-yr. plants with 12 to 20 branches, have been transplanted once and cut back 2 yr., \$4.00 per 100; \$37.50 per 1000, packed. Will make a good, close hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr., \$3.00 per 100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched, \$2.00 per 100; \$17.50 per 1000, packed. 500 to 1000 rate. Cash with order.

John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Crimson Rambler.
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Wood Bros., Fishkill, N. Y.
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The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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Warren Shinn, Woodstown, N. J.
Rhubarb Seed.

Onion Seed, a fancy Ohio Yellow Globe Danvers strain, wholesale and retail. Strawberry plants. Prices right. Edwin L. Carle, Geneva, Ohio.

SHAMROCKS

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SILKALINE

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SMILAX

Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.
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SPHAGNUM MOSS

C. W. Brownell & Co., Walden, N. Y.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREA

Joseph Breck & Sons, Corp., Boston.
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SPRAYERS

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STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippl, Wis.

SULFOCIDE

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SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
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THYME

Thymus citriondorus aureus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild Plant Improvement Gardens, Santa Ana, Cal.

TRITOMAS

Tritoma Pfitzerii, red hot poker plant, \$6.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

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White Marsh, Md.
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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLETS.

B. S. Slinn, New York, N. Y.
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Violets, rooted runners, Campbell, California, \$1.00 per 100. John A. Burns, Frankford Ave., Holmesburg, Phila., Pa.

VIOLET THREAD

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Green Silkline.
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WIREWOK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS
Boston**

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TUXEDO HORTICULTURAL SOCIETY.

The Tuxedo Horticultural Society, after a prolonged period of inactivity has at last resumed operations and is taking to itself new life and vigor. A meeting was held in the Parish House, Tuesday evening, February 8. In the absence of President Thomas Murray, Carl D. Schaeffer occupied the chair. James MacMachan and David McIntosh were elected vice-president and secretary, respectively, to fill vacancies. Eight new members were elected and the applications of several other candidates will be acted upon at the next meeting, March 8. The question of exhibition was left over until a good working committee can be elected from the augmented list of members at the next meeting. It was voted to hold a social session on March 2nd.

DAVID MCINTOSH, Sec'y.

Wilkesbarre, Pa.—Gottlieb Bauman, a florist, who has hothouses at 358 South Grant Street, has brought suit for damages to his greenhouse caused by the crashing of a slate roof from the house of Margaret Lynch, which was not securely built. Miss Margaret Lynch is the defendant.

Lockland, Ohio.—The Bloomhurst Floral Co., the incorporation of which was reported in our last issue, is pushing the work on the W. K. Partridge greenhouse, which is now the property of this new company.

PHILADELPHIA NOTES.

The Henry A. Dreer Co. have been awarded a gold medal and diploma for their lawn grass at the Alaska Yukon exposition, Seattle 1909.

C. W. Weaver of Ronk, Lancaster Co. has been making quite a name for himself recently as a grower of sweet peas and mignonette. His crops are being marketed by the Pennock-Meehan Co.

Mrs. J. Willis Martin, Mrs. J. Stuart Patterson, Mrs. James M. Rhoades, are leaders among the thirty society ladies who have associated themselves as "The Gardening Club." We welcome these able and influential coadjutors in the good cause. Can't have too many.

The sympathy of the trade is extended to C. E. Meehan of the Pennock-Meehan Co. on the loss of his father-in-law, Martin Hetzel, who passed away February 9th, at 102 Philadelphia street, Germantown, Philadelphia, aged 71. Mr. Hetzel was not connected with the florist business.

The jokers of the world are not all dead. We read of a lad from Georgia with a black rose. The Washington jokers are writing reams of "fill-up" in the most serious vein. The Georgia gentleman, it appears, just takes an ordinary "rose bush bulb" and by mixing three inexpensive chemicals gets a black rose. We would suggest the coal mines as a lucrative field for this find. It might be popular there. The miners are nearer purgatory than we of the upper air. The discoverer, it is stated, has received several offers of \$500,000 for his secret, but he is going slow on accepting such inadequate rewards.

C. M. Keegan has given up the old Graham store at 104 South 13th street. Mr. Keegan is reported to be now at Palm Beach, Fla. The removal took place on Sunday and Monday, February 13th and 14th. We trust some enterprising florist will take up this stand in the interest of the growers. It is always a bad thing to have an outlet discontinued. We want more outlets, not fewer. If more attention was given to this important topic it would be good business. It can be



"Say, what makes you so happy this morning?"
"Just made some good new business by following the advice on the bill board."

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Co.	286	Roehrs, Julius Co.			
Hilfinger Bros.	286	265-268-269			
Hill, D.	256	Roland, Thos.	255		
Hill, The E. G.		Rolker, A. & Sons	286		
Co.	267	Rosens	273		
Hinode Florist		Royal Nurseries.	268		
Co.	269				
Hitchings & Co.	288				

done, too. For instance, encourage the giving of carnations instead of creme de mints as was done at a recent convention at Atlantic City!

A very fine course in landscape gardening is in operation this season at State College. The 600 acres of this institution are being very ably managed and all departments of agriculture and horticulture receive the most advanced and enthusiastic treatment. J. Otto Thilow was a recent lecturer. His subject was "Landscape Gardening," from the practical viewpoint of a business man as distinguished from the academical, and was well illustrated with stereopticon views. Four hundred and eighty of the young and eager students attended the lecture.

Quite a number of the leading florists and representatives of various sections of the craft assembled at the Michell store at 518 Market street on Saturday afternoon to witness a demonstration of the effectiveness of the new insecticide, "Aphine." Some fierce entomological monsters were put in the ring by Robert Schultz of Madison, N. J. After a few rounds with "Aphine" groomed and directed by M. C. Ebeling the able sponsor of this sudden death the giants had a pain and curled up and went to sleep very promptly. Robert Craig brought some mealy bugs. They stood their ground a short time and then went the journey like all the rest. A cage of wild ones was sent from the Widener Conservatories under special guard, but they must have got wind of what was in store for them. At all events, they never turned up. It is supposed that they escaped into the shady woods around Olney and Oak Lane. Jno. Kuhn and John Stephenson had better be on the quick. At the final round "Aphine" was voted the winner and many good orders were placed not only direct, but through the seedsmen. We congratulate the company on this formula and welcome them as heaven-sent messengers in our fight with the hordes of pests that are all the time doing the best to eat the industrious horticulturist out of house and home.

Movements of Gardeners.

William Morton succeeds Mr. Colton at the Craige Lippincott place.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

Wanted—Assistant Gardener

for greenhouse work on private place. Wages \$35.00 per month, board and room. State full particulars to

C. SIMPKINS

Oak Hill, Peabody, Mass.

WANTED—Foreman: Thoroughly experienced in the growing of the highest class of decorative plants, Palms, Ferns, Fuchsias, Gloxinias, etc.; also bedding plants and the propagation of Nursery stock. Permanent position to an energetic and industrious man, with advancement. Care HORTICULTURE.

WANTED—Foreman for greenhouses, experienced in bedding plants and to have some knowledge about nursery stock propagation. State wages wanted, etc. Address Rhode Island Nurseries, Newport, R. I.

WANTED—An assistant in greenhouses on private estate. Apply by letter to Thos. J. Grey Co., 32 South Market St., Boston.

SITUATIONS WANTED

SITUATION WANTED

As manager for gentlemen's place, public institution, park, cemetery, etc.; practical experience in all branches; reference, first-class. Address with particulars, C. L., care Joseph Linfoot, 1015 E. McMillan St., Cincinnati, O.

SITUATION WANTED—By rose and carnation grower; 13 years' practical experience; capable of taking full charge. Address W. H. Clump, General Delivery, Jamestown, N. Y.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

700 ft. Hitchings ventilating apparatus at 11c. per foot, every 100 ft. 2 gears; also one 9 section Furman Boiler, like new, \$110. M. Tomback & Co., Sparkill, N. Y.

Morton occupied the same position some years ago, so that he is quite familiar with the duties.

Louis Salinger, late with Sen. Cameron, Harrisburg, is now gardener for Mrs. J. Howard Gibson, Jenkintown.

Walter Scott, of the Newbold place, goes as head gardener to the W. W. Frazier estate, at Ogontz, Pa., March 1st.

Joseph W. Coley leaves the Craige Lippincott place and returns to his old stand at Bethayres (Pitcairn's) March 1st.

Salina, Kan.—The report that Edward Tatro, the florist, who bought out Mrs. John Buchi four years ago, intends to build a new range of greenhouses, is incorrect. Mr. Tatro does not propose to make any additions this year.

Movements of Gardeners.

William Morton succeeds Mr. Coley at the Craige Lippincott place. Mr.

For San Jose Scale, and to Improve Health of Tree and Shrub.

BOWKER'S

Concentrated

Lime-Sulphur

Made in New England. FRESH from Factory to User.

NOW IS THE TIME TO ORDER Lime-Sulphur, which should be used while the trees are dormant. It destroys San Jose and all other Scale Insects and fungous spores wintering on the bark. It improves the health of the tree by destroying the mosses and lichens. As J. H. Hale says: "It smoothes up the trees."

All ready to use by adding cold water. No boiling, no special mixing plant required; no guesswork as to formula. Just add **cold** water, and spray.

Before spraying your orchard, post yourself about Bowker's sprays.—Write today for prices.

BOWKER INSECTICIDE COMPANY,
43 Chatham St., Boston, Mass.

Manufacturers of Bowker's PYROX for fruits and vegetables.

CATALOGUES RECEIVED.

Daniel Iliffe, Boston, Mass.—Folder concerning greenhouse construction, heating, repairs, etc.

E. Neubert, Wandsbeck, Hamburg.—Illustrated folder with wholesale prices on ferns, begonias, etc.

George Purdue, Orange, N. J.—Illustrated sheet of plantation baskets and other unique florists' accessories.

American Wooden Ware Mfg. Co., Toledo, Ohio—Catalogue of Wooden Ware, such as tree tubs, etc., with wholesale quotations.

L. E. Williams, Exeter, N. H.—Price List of Collected Native Trees, Shrubs and Plants. This is a very well-compiled list of native material, with wholesale prices.

Johnson Seed Co., Philadelphia, Pa.—Garden and Farm Manual for 1910. Particularly strong on farm and vegetable seeds; well illustrated. Covers highly decorated.

Daniel A. Clarke, Red Oak Nurser-

ies, Fiskeville, R. I.—Clarke's Hardy Flowers, Spring, 1910. A neat little list with a bed of hardy phloxes as cover adornment.

Burbank's Experiment Farms, Santa Rosa, Cal.—Burbank Giant Amaryllis. A good many of the items in this issue are already marked "Sold;" but there are still some left.

Watkins & Simpson, London, England—A finely illustrated series of views in the new series of this house and portraits of the members of the firm, managers, etc.

Connors Floral Co., Hamilton, Ont.—Wholesale Price List of Bedding and House Plants, Shrubs and Perennials. This is a very neat little catalogue and should bring business from the trade.

Ross Bros.' Seed House, Wichita, Kans., Seed Book for 1910. Neat cover illustrations of corn on cob, and cluster of nasturtiums. Text printed in sepia. The arrangements of illustrations numbered to correspond with

descriptive notes on opposite page is quite novel and has some good points in its favor.

Wm. Toole & Sons, Baraboo, Wis.—Guide to Pansy Culture and Catalogue of Seeds and Plants. This house is widely known for the excellence of its pansies. The list includes 135 separate kinds.

Vick & Hill Company, Rochester, N. Y.—High-Grade Aster Seed. Special for Spring 1910. The different types of improved asters are well illustrated in this 8-page pamphlet and wholesale rates quoted.

J. B. Wagner, Pasadena, Cal.—Valuable New Berry Introductions. Wagner's Giant Black Walnut. Rhubarb for Profit; a Treatise on Rhubarb Culture. These three interesting pamphlets are well worth reading.

F. H. Ebeling, Syracuse, N. Y.—Catalogue of Seeds, Garden and Farm Supplies.—This is the 42nd year of the existence of this house. The catalogue for 1910 appears in covers taste-

ly adorned with flowers and vegetables in colors. The wholesale price list of this firm is also received.

W. W. Barnard Co., Chicago, Ill.—Seeds, Bulbs, Shrubs, 1910. A fine plate of asters in colors adorns cover page. This is the 21st annual catalogue of this house. There are four pages of novelties and specialties.

Central Seed and Bulb Co., Benton Harbor, Mich. Illustrated album of specialties in gladioli, dahlias, lilies, irises, etc., showing some beautiful portraits of seedling gladioli and dahlias raised by E. S. Thompson.

C. S. Harrison's Select Nursery Co., York, Neb.—Price List for Spring of 1910. An inspiring little catalogue in the interest of more beautiful home surroundings. Tells the people of Nebraska what, when, and how to plant.

Tonkin-Munson Seed Co., Buffalo, N. Y.—"Seeds of Quality." Seems to us we have heard that phrase before. A new name in our esteemed exchange list, but the book looks good and we do not hesitate to commend it to the discriminating eye of the reader of

Gurney Seed and Nursery Co., Yankton, S. D.—"Seeds that Grow and Satisfy." Spring 1910. Gaily decorated covers in colors. Colored illustrations of Sunbeam Raspberry, Compass Cherry-Plum and Beta Grapes, with a full descriptive list of good things for the So. Dakota people are the salient points of this catalogue.

J. M. Philips' Sons, Pittsburgh, Pa.—Catalogue of Flower, Vegetable and Lawn Seeds—Bulbs for Spring and Autumn Planting.—The covers of this very creditable catalogue are in colors and we are glad to see the recognition given one of the sweetest, but often neglected florists' flowers, in making it the subject of the front cover page. We refer to the lantana. It is a flower well worthy of the honor.

Frederick W. Eberle, Albany, N. Y.—Seed Catalogue Spring 1910. A very neat and attractive issue throughout. Verbenas form the cover adornment and on the back a pretty lawn view in grey tint. Heavy paper, excellent printing and well done half tones mark this catalogue as superior to the ordinary and the absence of overcrowding or minute type in any of its pages make the reading a pleasure.

See our Philadelphia notes for the news as how Aphine acquitted itself in the bug-killing test at that city last Saturday. We commend to our readers generally and to dealers in horticultural specialties in particular, the frank, consistent, and thoroughly up-to-date business methods pursued by the manufacturers of this material in giving publicity to their goods. It is what you must all come to, gentlemen. If you want business you must seek it through modern methods. When you get ready HORTICULTURE will be glad to help you.

PRATT'S
"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

Evergreen Brand Flower Fertilizer

Is fine plant food, immediately available.

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

D. D. Johnson, 64-66 Wabash Ave., Chicago.

Write for further information

The Mastin Automatic White-wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.

The pump is of brass throughout, simple and powerful.

The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.

All parts are made to gauge, and may be had for repairs.

Just the thing for distributing liquid fertilizer in greenhouses.

Ask your dealer about our EXTENSION HOSE, EXTENSION RODS, and the MASTIN WHITE-WASH NOZZLE for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co.,

3124 West Lake Street
CHICAGO, ILL.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{1}{4}$ inch pipe connections. These sprayers will never wear out and are sold by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 9.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.00

Stump & Walter Co. 50 Barclay St.,
New York.

In ordering goods please add "I saw it in HORTICULTURE."

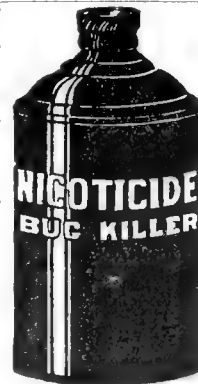
Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and door screens, etc. It is the best use it, for treating the foliage of plants, and for killing the insects on them.

Deming Spray Pumps

Hand operated, easily carried, and used in any position. It is the best for garden spraying, and for killing the insects on them. It is the best for treating the foliage of plants, and for killing the insects on them.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palathorne Co.
OWENSBORO, KY.

green Flies and
Black ones too

are easy to kill with

The Fumigating Kind
Tobacco Powder

\$3 00 per bag 100 lbs.

Satisfaction guaranteed or money back, why try cheap substitutes that makers do not dare to guarantee.

THE H. A. STOOFF CO., Mount Vernon, New York

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

WRITE FOR CATALOGUE AND DISCOUNTS

OBITUARY.

Patrick Sutton.

Patrick Sutton, an old employe of the Landreth Seed Co., and a well known figure in Bristol, Pa., died, in his 75th year, on February 13th.

David Walters.

David Walters, a retail florist in a small way at Catasauqua, Pa., died February 12th, aged about 65. Deceased also conducted a general store under the title of Walters Bros. He was highly esteemed in his community.

Mrs. Elizabeth V. Schmid.

We note with deep regret the death of Mrs. Elizabeth V. Schmid, Washington, D. C., on the 9th inst. at the advanced age of 82 years. Mrs. Schmid was the mother of one of our most highly respected and public-spirited men, Edward S. Schmid, who has for years been closely affiliated with the florists of Washington.

Mrs. Schmid was born in Switzerland in 1828, and after her marriage to Louis Schmid came to America. They settled in Washington and established a paper box factory; they also inaugurated the woven wire funeral designs. Mrs. Schmid has made her home for the past sixteen years with her son, Edward S., and to him, as well as the rest of her family, we tender our heartfelt sympathies.

S. M. Owen.

S. M. Owen, editor of Farmstock and Home, is dead. What a shock the announcement gives me! He was an honest man. He defended his readers by never allowing a doubtful ad. in his columns. He was a progressive man with encyclopedia information along all the lines of agriculture. He was intensely interested in horticulture and forestry. You always knew where to find him. We did not agree in politics, but there was a broad world of common interest which gave him and his friends plenty of room. He died of heart trouble, February 2, at his Minneapolis home. Minnesota sustained a great loss when her beloved Governor passed away, and now another loss falls heavily upon her. But the grand state has an array of strong, good men to take their places and carry on their work.

C. S. HARRISON.

York, Nebr.

Danvers, Mass.—Porter Bros. have added three new greenhouses to their plant to supply the demand for early garden products. Their specialty is cucumbers.

GREENHOUSES BUILDING OR CONTEMPLATED.

Lompoc, Cal.—W. Atlee Burpee & Co., one house.

Wenona, Ill.—Wm. Metzger; addition to the Wenona greenhouses, 6 x 80 feet.

Bismarck, N. D.—Hopkins Floral Co., another house during the coming summer.

Westboro, Mass.—A. O. Tufts, Belmont street; addition 31 x 100 ft. for carnations.

FIRE RECORD.

Newark, N. J.—The greenhouses of James Brown, 57 Briggs place, were damaged to the extent of \$100, on February 6.

Somerville, Mass.—The Reynolds Flower Store in the Central building, Davis Square, was damaged by fire, Saturday evening, February 5. The stock was an entire loss, only being partly covered by insurance.

Grand Rapids, Mich.—The Jones Seed Co., 9-11 N. Ionia street, was damaged by a fire February 3rd to the extent of about \$1,000. The property was fully covered by insurance and will be repaired immediately. It is thought that no interruption of business will occur.

New York City.—Young & Nugent, florists, 42 W. 28th street, had a narrow escape from being burned out completely on Tuesday night, Feb. 10. It originated in the cellar under the store and burned up through the floor. It did about \$200 damage before being extinguished by the fire department.

INCORPORATED.

Pittsburg, Kans.—Steinhuser Floral Co.; capital \$25,000.

St. Louis, Mo.—National Seed Co.; capital stock, \$20,000.

Lockport, N. Y.—D. T. McCarthy & Sons, general nursery, horticultural and agricultural business; capital \$33,000. D. T., T. J. and L. M. McCarthy, incorporators.

Winnipeg, Manitoba.—The Globe Co. for the purpose of carrying on the business of florists and market gardeners. Frederick Sparling, Harry Chislett, Percy J. Proctor, A. Sproule and J. Monger, incorporators.

Grand Rapids, Mich.—The new greenhouse plant of Wencel L. Cukerski, mentioned in our last issue, comprises about 18,000 feet of glass recently put up. He intends to carry on a general florist, nursery and landscape business. He has 70 acres near the city limit which he intends to devote to nursery purposes, and a shipment of 60,000 shrubs and trees suitable for this country has been ordered from France.

PATENTS GRANTED.

948,465. Fruit Gatherer. Thomas Branch, Otisville, Mich.

948,620. Bench for Greenhouses. Wesley Wait, Newburgh, N. Y.

948,671. Wire Support for Plants. Otto A. Muller, Ambler, Pa.



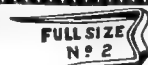
DREER'S
Florist specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST
1/2-inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
2 Reels, 1000 ft., 14 c.
3/4-inch, 13 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/4 " " " 5.25	120 " " " 4.20
1500 2 1/2 " " " 6.00	60 " " " 3.00
1000 3 " " " 5.00	HAND MADE
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
450 4 1/2 " " " 5.24	24 11 " " " 3.60
320 5 " " " 4.51	24 12 " " " 4.80
210 5 1/2 " " " 3.78	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Holds Glass Firmly
See the Point 
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

All The Clay for our Florists' Red Pots
Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.
THE PETERS & REED POTTERY CO., Zanesville, Ohio.

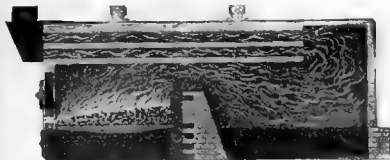
STANDARD FLOWER POTS
If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.
W. H. ERNEST
28th & M Sts., Washington, D. C.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

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MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

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Write to us about your
Material and Plans
for any size and style of

GREENHOUSE

for new structure or repairs.

Hot Bed Sash

In stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

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IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

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Greenhouse Material and Sash

Of Every Description

Get our Prices and Catalogue.

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"ASK THE MAN WHO HAS ONE"

That KING IRON FRAME House has made good

THINK WHAT IT MEANS

to have a 42 foot span house "STAND LIKE A STONE WALL" against a 70 mile an hour gale.

LIGHTEST

STRONGEST

MOST DURABLE

Easiest House to Erect

Here they are, ask them:

P. & W. O. Jahn,
42 by 130

S. J. Goddard
35 by 134

Carl Jurgens
4-28 by 20

We have PROVEN our Iron Frame to be the King.
Let us estimate your requirements early.

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS

IF IN NEED OF ANY

WHY HESITATE ABOUT BUYING?

PERHAPS YOU PREFER TO PAY MORE.
DO NOT BE MISTAKEN, BUY NOW.

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

CYPRESS SASH BARS

32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

GREENHOUSE CONSTRUCTION LUMBER

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The FLORISTS' HALL ASSOCIATION
OF AMERICA, insurer of 32,500,000
sq. ft. of glass. For particulars address
John G. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

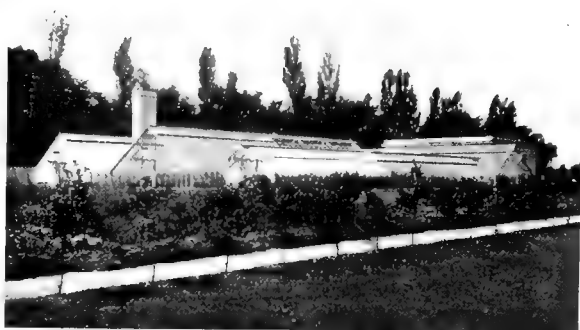
The Advance Ventilating Machine

After five years of continual use, our first machine are working as satisfactorily as they worked when put up. Isn't this proof enough to convince any one that our machine is of the best construction throughout, and will give better service than any machine on the market?

Same price to all. Ask for our circular and price list. We know that we can please you.

The Advance Co.
RICHMOND, IND.





Erected for W. G. Mather, Cleveland, O.

Right Designing

Many a well constructed house has been spoiled by poor design; it is the combination of a well thought out design and an enduring, light Iron Frame Construction that makes the perfect house.

Such a one is this erected for W. G. Mather, Cleveland, Ohio.

Send for our Illustrated Circular

Hitchings & Company

Designing & Sales Offices General Offices & Factory
1170 Broadway, N.Y. Elizabeth, N.J.



The Judge Moore Range at Pride's, Mass.

Sectional Iron Frame Construction

FIRST, there was but the two compartment portion at the right—then a few years ago we added that charming octagon palm house and another two compartment wing. It now flanks two sides of the choice little formal flower garden.

What we have particularly in mind is to tell you not to be discouraged because you want more houses and cannot seem to plan out an addition to your satisfaction.

Call us in, we have fifty years of greenhouse building experience to draw upon. Our salesmen you will find are particularly resourceful, and know thoroughly the kinks of the business. You will find a satisfaction in doing business with them.

Write to us and we will write to you.

Lord & Burnham Co.

Irvington, N. Y.

New York Boston Philadelphia Chicago
St. James Bldg. Tremont Bldg. Heed Bldg. The Rookery



This shows the startling lightness of a U-Bar interior. Write to PIERSON U-BAR COMPANY, 1 Madison Avenue, New York, for their Catalog.

HORTICULTURE

Vol. XI. FEBRUARY 26, 1910 No. 9



HOUSE OF CATTLEYA TRIANA.
Queen of Florists' Orchids.

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Devoted to the
**FLORIST, PLANTSMAN,
LANDSCAPE GARDENER**
and
Kindred Interests

Published
EVERY SATURDAY
At 11 Hamilton Place,
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Subscription, \$1.00

U Know Us

KATALOG

Lets Know U

Have You Seen Our New UP to the Minute Katalog?

If Not, Send for One At Once Free. Accepted by the
Leading Florists As the Best Ever.

Your Interests Protected with The Best Katalog.

Send For One IMMEDIATELY, Costs You Only the
Time to Send For It. IT'S FREE.**RIBBON SPECIALISTS**

The Leading Florists' Supply House

*Importers — Manufacturers — Originators***M. RICE & CO., 1220 Race St., PHILA., PA.****CANNAS****F. O. B. New York or Chicago
For Immediate Delivery**We are the largest handlers of Cannas in the World. Our prices upon Cannas will bear
comparison with any house in the Canna business. **STOCK UNEQUALLED.****RED-FLOWERING CANNAS**

	100	1000
Louisiana, height 7 ft.	\$1.75	\$15.00
A. Bouvier, 5 ft.	1.50	14.00
Beaute Poitevine, 3½ ft.	2.00	17.50
Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
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	100	1000
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L. E. Bailey, 4½ ft.	2.75	25.00
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	2 inch	3 inch	2 inch	3 inch
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DAHLIAS Every Day in the Year

Plant Novelties From China

"Broad-leaved evergreens thrive badly in New England," is the accepted phrase and unfortunately the truth of it is only too plainly demonstrated by the fact that the constituent members of the whole collection cultivated can be counted on the fingers. It is not so much the severe frosts as the strong sun in late February and March that is so fatal to these plants. This strong sun causes an excessive loss of water from the leaves when the ground around the roots is firmly frozen. The roots in consequence are unable to make good the loss and death ensues from exhaustion. Broad-leaved evergreens as a class affect moist woodlands when the surrounding trees break the direct rays of the sun and prevent in a marked degree excessive loss of water from the leaves. If these evergreens were more generally planted in thin mixed woods and given a protection of pine branches better success would probably attend their culture. No class of plants give greater pleasure in the garden or park, being so restful to the eye in summer and cheerful-looking in winter, and they are worth considerable more attention and care than is at present bestowed upon them.

Among the recent Novelties from China are many fine plants belonging to this class and though one hesitates to claim for them complete hardiness under the peculiarly severe climatic conditions which obtain here yet they are well worthy of an attempt at acclimatization. Surely an odd one here and there will succeed all right and if two or three can be added to our scant list something really great will have been accomplished.

Among the Chinese Barberries are many evergreen species and two in particular are worthy of trial, namely, *B. Gagnepaini* and *B. verruculosa*. The first-named



ILEX PERNYI

As Cultivated by Messrs. Veitch



VIBURNUM RHYTIDOPHYLLUM

forms a dense bush, 4 to 6 ft. tall, with narrowly lanceolate, prickly leaves, $1\frac{1}{2}$ to $2\frac{1}{2}$ inches long and about $\frac{1}{2}$ inch broad; the flowers are bright-yellow borne in dense, racemose clusters and are followed by black fruits. With its masses of yellow flowers and fine foliage this is one of the handsomest of all Barberries. *B. verruculosa* is a dwarf growing plant, 1 to 2 ft. high, semi-prostrate in habit, with ovate, prickly leaves shining above, glaucous below and axillary, golden-yellow flowers followed by violet-black fruits. For rockeries and other positions suitable for dwarf shrubs *B. verruculosa* is eminently adapted.

No class of evergreens are more generally appreciated than the Hollies and it is much to be regretted that only a couple of native species are hardy here. In *Ilex Peryi* we have a remarkably neat and charming species, very dense and symmetrical in habit with dark green, very prickly leaves, 1 to $1\frac{1}{2}$ inches long, densely crowded on the shoots and resembling in miniature those of *Ilex cornuta*. The fruits are scarlet with very short stalks and are crowded amongst the leaves. *Ilex Peryi* is native of thickets and woodlands in Central and Western China above 4,000 ft. when it is in flower.

metrical, pyramidal bush, 5 to 10 ft. tall. Neither man nor beast could face a hedge made of this species!

Cotoneaster rugosa and its variety *Henryi* are both very ornamental shrubs 6 to 15 ft. tall, free-growing with arching, semi-pendulous branches and flat corymbs of pure white flowers followed in autumn by branches of pure white flowers followed in autumn in bunches late, about 2½ to 3 inches long, wrinkled, shining green above and covered on the underside with a heavy white felt.

Closely allied to *Cotoneaster* is the small genus *Stransvaesia* of which one species, *S. undulata*, is of more than passing interest. This plant forms a bush 6 to 12 ft. tall with spreading branches and ovate, smooth leaves which in autumn assume very brilliant tints. The flowers are pure white, borne in flat corymbs 4 to 6 inches across and are followed by masses of coral-red fruits. With its masses of ornamental flowers and



VIBURNUM HENRYI

fruits and fine autumnal tints *S. undulata* is a more than ordinarily attractive and useful shrub.

Among the large family of Chinese *Viburnums* are several very fine evergreen species of which *V. rhytidophyllum* and *V. Henryi* may be selected as examples. The first-named is a very striking plant in appearance unlike the ordinary conception of a *Viburnum*. A native of margins of moist woods *V. rhytidophyllum* forms a much-branched shrub 5 to 10 ft. tall with leaves of great substance, lanceolate-ovate, 6 to 10 inches long and 2 to 3 inches broad, dark green and deeply channelled above with strong prominent veins on the underside. The stems and undersides of the leaves are densely clothed with a pale, dun-colored indumentum. The flowers are small, creamy-white borne in flat, terminal

corymbs 6 to 10 inches across; the fruits at first dark red change to jet black as they ripen and are retained late into the winter. Apart from the beauty of its flowers and fruits the noble and strikingly handsome foliage of this plant is sufficient to award it a place in any and every collection of shrubs.

Viburnum Henryi is a very different plant in general appearance to *V. rhytidophyllum* but not one whit less desirable; indeed, in flower and fruit is second to none in the whole family. A native of the upland thickets, above 5000 ft. in Central and Western China *V. Henryi* is nowhere common. It forms an erect, much-branched bush 6 to 10 ft. high and nearly as much through, with narrowly-ovate, pointed leaves 6 to 8 inches long, coriaceous, glabrous and shining. The flowers are pure white, fragrant, borne in erect, pyramidal panicles 5 to 8 inches high; the fruits are bright-scarlet changing with age to blackish-crimson. A more highly decorative shrub would be hard to find.

Another remarkable *Viburnum* is *V. Davidii* which only grows 1½ to 2 ft. high with broadly-ovate, prominently three-nerved leaves, terminal, flat corymbs of pure white flowers followed by small, indigo-blue fruits. This distinct species is native of thickets and margins of woods of the Chino-Thibetan border-land but is very rare.

Daphne retusa is a welcome addition to the small family to which it belongs and one which thrives under cultivation. This new plant is a small, branching shrub, seldom more than a foot high with thick, ovate leaves about an inch long. The flowers, which are freely produced, are pink, very fragrant and similar to the well-known greenhouse plant *D. indica*. A native of the uplands of the Thibetan border, above 10,000 ft. there can be no question of the complete hardiness of *D. retusa*.

S. W. Wilson.

Trans-Atlantic Notes

VARIETIES OF HYACINTHS FOR EARLY FORCING

When hyacinths are wanted in full bloom at Christmastide the Dutch grown bulbs should be avoided, and those grown in Southern France employed instead, it being seldom that the former mature so thoroughly as to be fit for forcing in the early winter months. Experience proves that the Dutch bulbs when grown for one year in the open in Southern France are much better for early forcing than those grown in Holland. As this is a new method, the number of bulbs at the present time and the varieties are but few and it may be of interest to mention some. Moreover not all hyacinths are

similarly improved by after-cultivation in Southern France. Among the improved varieties are Grand Maitre, Moreno, Gertrude and L'Innocence.

A GOOD BUSINESS!

The trapping of the mole appears to be a paying occupation in the Swiss canton of Neuenburg, according to the mole catcher of the commune of Corcelles-Cormondreche. He caught last autumn, in eighteen days, about 4,000 moles, which brought in a sum of 800 frs. This averages 44 frs. per day, or more than the highest paid Swiss official; and nearly as much as the President of the Confederation draws as salary.

NEPHROLEPIS SCHOELZELI

This distinct variety put into commerce this year was shown at the Berlin International Exhibition and is a valuable addition to this species of fern, and is the greatest improvement noted in Nephrolepis in recent years. The plant grows with rapidity, is not particular as to soil, and is at every stage of growth a fine fern, destined to become much in request in the future.

CAMPANULA HENDERSONII

This supposed cross between *C. turbinata* and *C. alliarifolia*, growing to about 1 foot in height is a very suitable plant for the rockery, or the front row in a border of herbaceous perennials in which situations it is an

attractive plant—especially on vertical parts of a rockery. The plant has a pyramidal habit, and large, light blue flowers of a saucer shape. Like other plants dependent largely on roots growing near the surface it needs every two or three years to be surface dressed with sifted loam and leafmold, otherwise it may die out.

GUERNSEY CARNATIONS

In H. Burnett's nursery, Guernsey, a pure white named Snow Queen, Fortuna and Mrs. J. H. Clode have been added to his list of fine new varieties. Fortuna is a close approach to deep yellow, with a tinge of orange in the centre, and Mrs. J. H. Clode is one of the largest scarlets yet raised. It has a powerful clove aroma, and is a strong grower. New varieties of the present year include a yellow, and lemon colored variety, the latter a fancy. Resembling slightly Aurora but brighter is Vulcan, scarlet, with a tinge of terra cotta and crimson. Among dark ones is Pluto, crimson maroon, which promises to make a reputation. Bridesmaid is slightly paler than Mrs. H. Burnett and much larger than Enchantress. The flowers are well filled with waved petals. A faint pink flowered variety named Mrs. Tatton is excellent.

Fredrick Moore

A GREAT COMBINATION

Easter, Rose and Spring Trade Special

The combination of important horticultural dates makes it possible to combine all the above named special interests in one issue this year.

March 12, 1910

is the date selected for our Easter Number. Program, schedules and interesting matter concerning the Rose Convention to take place in New York, March 16-17-18, will be given a prominent place. The date will be particularly favorable for giving publicity in our advertising columns to all lines of spring trade—Nursery, Seed, Florists' Supplies, Building and Heating Equipment, as well as Easter Plants and Flowers, and all specialties of timely interest to any and all branches of the horticultural industries. Make your advertising copy liberal in size and comprehensive in scope. Send it EARLY so that our best service as to location, set up, etc., may be yours. Several thousand extra copies of this special issue will be printed and given circulation where they will do

THE MOST GOOD

HORTICULTURE

VOL. XI

FEBRUARY 26, 1910

NO. 9

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Arrangement
 of Commonwealth
 Ave. trees
 and Florists' Club of Boston interesting itself in the
 movement to discourage the carrying out of the short-

sighted and altogether unwise plans of a park commis-
 sion whose knowledge of arboriculture would certainly
 stand a little brushing up. Now comes a similar vote
 of a Saturday lecture audience in Horticultural Hall—
 than which no more horticulturally intelligent popular
 audience can be found—and we understand that, in the
 few weeks remaining between now and the time when
 tree removal must begin, other influential circles will be
 heard from. Prof. C. S. Sargent, J. A. Pettigrew, John
 K. M. L. Farquhar, Samuel Parsons and others who
 have made a life study of the subject are entitled to be
 heard and their advice should be heeded. We believe
 that the publicity now tardily started will, if persisted
 in, induce an effective public awakening.

The people's turn next

The advocates of a higher rate of post-
 age on magazines and technical papers
 have heard something drop and some
 of them, undoubtedly, wish they had
 let it alone. The agitation over the postal deficit is
 likely now to continue, however, until it is settled and
 settled right, the storm centre shifting from the
 minor issue of the postage on magazines to the larger
 question of the alleged prevalent inaccuracies and un-
 businesslike methods in contracting and accounting in
 the Post Office Department. The claim of the Post-
 master General that the second-class mail was responsi-
 ble for a big deficit, based upon figuring which seems to
 have been astoundingly loose and fallacious, has been
 refuted in a most convincing manner. The press of the
 country has been aroused and will now proceed to show
 up the antiquated methods, extravagant railroad con-
 tracts and other wasteful procedures which they claim
 are largely responsible for present intolerable conditions.
 We hope every reader of HORTICULTURE will lose no op-
 portunity to declare himself for a business post office,
 managed on business principles, and absolutely inde-
 pendent of politics. When we get that we shall have a
 parcels post, the abominable burden of express extortion
 will be removed and every individual in the land will
 be a direct participant in the "consummation so devout-
 ly to be wished."

Horticulture or Pomology

Proud in the conviction that their
 state is better adapted to fruit growing
 than any other in the East and perhaps
 anywhere else on the continent the
 Virginia Horticultural Society is after the legislature of
 that state for an appropriation of \$5,000 annually to
 advance the industry of fruit growing. That their
 claim is well worthy of recognition cannot be ques-
 tioned. Public money could be devoted to no more use-
 ful object and we of the eastern part of our great coun-
 try should be duly grateful to the wideawake enterpris-
 ing fruit growers and farmers of the far west for the
 example they have set before us and the stimulation they
 have furnished for their drowsy eastern brethren to be
 up and doing. The horticulturists of Virginia who
 don't happen to be either farmers or orchardists should
 see to it, however, that their State Horticultural Society
 represents fairly all the interests which its name priv-
 ileges it to stand for, and if public money is to be ob-
 tained for the avowed purpose of aiding horticulture,
 insist that it be used accordingly, giving encourage-
 ment to every branch in proportion to its importance
 and needs. And there are other states than the one
 here mentioned in which a little display of backbone on
 the lines suggested might also be used to good purpose.
 Set it down for a fact that these due rights and priv-
 ileges will never be bestowed but must be demanded and
 demanded.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Cattleyas and Cypripediums.

If you have any Cattleyas that have done flowering, now or just before they begin to grow, is the best time for potting or top dressing. The material should consist of fibrous peat and live sphagnum moss, with charcoal and broken pots for drainage. The plants should be firmly potted and staked until they have become established. I think pots or hanging pans better than baskets. With pots there is not so much danger from fungus; and it is a much easier matter to remove the plants from pots than baskets, and they also last much longer. Be sure and let the plants rest upon the top of the soil, elevated above the rim so as to carry the water away quickly. Cattleyas like a moist atmosphere during their growing season. It is necessary to maintain a genial growing temperature at all times.

Cypripedium insigne and its varieties will likewise now need overhauling. In potting cypripediums, an important point is drainage, for as they have no pseudo-bulbs to support them, you cannot dry them off as other orchids, so if the drainage is not good the roots are sure to decay. A good compost is fibrous loam from which all the fine particles have been screened, some chopped sphagnum, lumpy charcoal and a portion of sharp silver sand. The pots should be half-filled with clean crocks, and when potting, slightly elevate the plants above the rims. After orchids have been potted they should be frequently syringed and have abundance of moisture about the house and benches, but it must be borne in mind that over-watering at the root is very injurious to nearly all species of orchids under cultivation.

Bouvardias.

If you grow or intend to grow bouvardias, now is the most favorable time to start propagation. Old plants can be shaken out and the thicker roots cut into pieces half an inch in length. Placed in sand with the bed about 70 degrees, will do very well. In about four weeks the little plants will be starting through the sand. When about an inch high lift out and pot off into small pots. They should be kept in a warm house until well established. They can also be increased by cuttings of soft wood; these make faster-growing plants than those obtained by root cuttings.

Dahlias.

The old roots can be started any time from now up to April. The roots should be started on a bench or in boxes, planting them quite close together in rich loam. Give them a light situation near the glass and a temperature of from 55 to 60 degrees. When they put forth sturdy and thick-stemmed growth of about 2 or 3 inches long they are fit for the cutting bed. Place them in well firmed sand with very little bottom heat. With good care as to shading, spraying and ventilating, in about 2 or 3 weeks the cuttings will be ready for potting. When once well established in small pots, they should be transferred to a

A MODERN DELIVERY VEHICLE.



This is an automobile for business uses and it belongs to the Pennock-Meehan Company of Philadelphia, but we do not illustrate it because of either one of these facts alone. Our object is to direct the attention of our readers to something in the line of advancement—an equipment which will soon

be looked upon as an indispensable adjunct in any branch of the business requiring improved facilities for the transportation and delivery of goods. The picture will tell its own story to the man who is out to attain and maintain a position among the leaders in the ceaseless struggle for business pre-eminence.

cool, light and well ventilated house and grown on, giving plenty of room between the plants as they require it.

Lorraine Begonias.

The leaf cuttings that were put in sand some six weeks ago will now be showing young growth and should be nicely rooted by this time. In potting use a light sandy compost and be sure to keep a little on the dry side until the roots are running well through the soil. The cut back plants which have been brought into heat and syringed well will give some fine cuttings. Put them in clean, sharp sand, where there is a bottom heat of 70 to 75 degrees, and if managed well they are bound to root. After they are established they will want a good deal of attention such as pinching off all the flowers and by stopping the original cutting, which will strengthen the root and will encourage the vigorous growth which is necessary to good plants for next Christmas. Keep in about 50 to 55 degrees at night.

Genistas.

Those that are intended for Easter should have the flower buds quite prominent by this time, in which case they will be all right. If they are pot-bound some manure water will do them good about once a week. Put in a batch of cuttings now in a cool house and they will root well. By potting and growing them along they will make nice plants for next Easter. Do not allow them to become stunted during their growing season.

Verbenas.

Propagation for bedding should go on until you think you have enough. It may be done at any time from now until April. The advantage of cuttings over seedlings is that named varieties can be maintained pure beyond a doubt

from year to year. It is not yet too late to sow seed; they will come along fast and make nice plants by planting-out time. Grow them along in a cool house, say about 45 to 50 degrees at night.

Smilax.

Be sure not to let your smilax bed go without strings. It is negligence that will show itself very soon. Keep on the dry side until growth starts anew. When the crop is cut and the new crop well started, a good mulch of manure will help the bed. Give daily admission of air to harden the foliage, so it will stand after cutting. Syringe daily except on unfavorable days. Keep near 60 degrees at night. For stringing smilax no material is equal to Meyer's green silkline.

JOHN J. M. FARRELL.

STRAWS.

Merely straws—but they "show the way the wind blows." For the three months ending February 19, 1910—the deadiest period in the year for any building operations—we have received news of greenhouses building or contemplated in New England territory as follows: Conn. 7, Maine 6, Mass. 36, N. H. 2, R. I. 3, Vt. 1; 55 in all. Worth noting, is it not?

New subscribers for HORTICULTURE coming in ordinary run of business in past 15 days, 42; distributed as follows: 1 each for Ala., Belgium, Canada, Ga., Ia., Ky., La., Md., Mich., N. J., Okla.; 2 each for Ill., O., Pa., R. I., Wash.; 3 for Conn.; 8 for N. Y.; 10 for Mass.

Wm. Elliott and Sons, New York, are in receipt of their first consignment of roses and conifers for auction. Their first sale will take place on March 15th.

NEWS OF THE CLUBS AND SOCIETIES

NEW ORLEANS HORTICULTURAL SOCIETY.

There was a bare quorum at the regular monthly meeting held on the 17th inst. A regular hurricane blowing from the northwest with freezing temperature kept most of the members at home attending to the fires. Vice-President Doescher presided, but only some routine business was transacted. Committee reports were held over for a month. Exhibition of flowers from U. J. Virgin and the Metairie Ridge Nursery Co. were on the table. H. Doescher had also on the table splendid specimens of eight varieties of forcing cucumbers, the price of which he explained, was getting better as spring approached.

ILLINOIS STATE FLORISTS' ASSOCIATION.

The fourth annual convention of the Illinois State Florists' Association was held at Urbana, Ill., February 15-16, 1910. The address of welcome was given by Dr. Edmund James, president of the University of Illinois, and was responded to by Phil J. Foley in a few well chosen words. Then followed an address on "The Value of the Experiment Station to the Florists and the Duty of the Florists to the Station," by Prof. J. C. Blair, chief of the Department of Horticulture of the University.

Wednesday morning the meeting was opened by an address on behalf of the Illinois Outdoor Improvement Association, by Dr. J. W. Garner, professor of Political Science of the University of Illinois. Next on the program was a paper on "The Cut Flower Industry," by C. L. Washburn of Chicago. This was followed by an address on "Our Work," by H. B. Dörner, associate in floriculture, who has charge of the experiment work of the University of Illinois. The result of the election of officers was given in our issue of last week.

This association was organized at Peoria, Ill., March, 1906. Its objects are to promote in every way possible the art of floriculture, ornamental horticulture and gardening under glass, including educational and civic improvement benefits arising therefrom; and for making researches into diseases of ornamental plants and greenhouse vegetables, suggesting remedies, etc.

The judges made the following awards:

Seedling Carnations. Chicago Carnation Co.—Mary Tolman, 85; Conquest, 85; Sangamo, 85. F. Dörner & Sons Co.—White Wonder, 85; Hoosier Lad, 88; Scarlet Glow, 85; No. 42-06-Light Pink, 85. R. Witterstaetter—President J. A. Valentine, 85; No. 1407-0, 80. Walter W. Coles—Mrs. Walter Coles, 85. A. C. Brown—Superba, 80; Optimo, 75; Clara Mae, 65. W. N. Rudd—Greenwood, 86. N. Zweifel—Bright Spot, 86. E. G. Hill Co.—Annie May, 86; Mrs. Beckwith, 81; James Whitcomb Riley, 81. A. C. Canfield—Red Nelson Fisher, 80. Anton Then—No. 291 Scarlet, 74; No. 41 White, 83. Bauer & Smith Shasta, 85.

Among the exhibits especially notable for quality or extent were the roses from Wendland & Keimel, Bassett & Washburn. Poehlmann Bros. Co., J.

F. Ammann, A. T. Hey, W. H. Gullett & Son and E. W. Guy; carnations from Chicago Carnation Co., J. F. Ammann, C. Loveridge, Wirth & Gaup, W. C. Hill Floral Co., H. Johann & Son, Henry Baer, Mrs. A. C. Canfield, A. Washburn & Sons, besides the firms mentioned in the above list of seedlings; J. A. Peterson, Begonia Glory of Cincinnati and specimen foliage plants; F. B. Smith & Son, flowering plants; A. Jurgens, narcissi, and D. D. Johnson Co., Evergreen Brand fertilizer.

Chas. L. Washburn.

Chas. L. Washburn, newly-elected president of the Illinois State Florists' Association, is just completing his fifty-second year, but he is as full of vigor and as keen in business as he was twenty years ago. Like many another successful business man he



CHARLES L. WASHBURN

began his career in the lumber woods where he remained till 1893, when he entered into partnership with O. P. Bassett, whose daughter Kate he had married in 1884. Mr. Washburn bought out Mr. Bassett's share of the business four years ago, but the business is still done under the old firm name. Mrs. Washburn died in 1902, and Edgar B. Washburn, the only son, is associated with his father in the cut flower business.

There is not a more popular man in the wholesale flower business in Chicago than Mr. Washburn, and his business character is above reproach. The State Florists' Association will have an able head the coming year.

AMERICAN CARNATION SOCIETY.

Registration of new carnation by Frank E. Whitney, Fishkill on Hudson, N. Y. Gardener to Winthrop Sargent. Wodenethe—Prosperity × Enchantress. Pure white. 3½ to 4 in. Strong erect grower. Runs to flowers quick. Beautifully formed, full flowers, with the old clove scent. Strong calyx, seldom splits. Scored 90 points for preliminary certificate at A. C. S. convention in Pittsburgh.

A. F. J. BAUR, Sec.

LENOX HORTICULTURAL SOCIETY.

One of the most interesting and instructive meetings held by this society for some time was presided over by President G. Foulsham on Saturday, February 5th, and was largely attended. An exhibit which called for our special praise was a vase of new white carnation Wodenethe by Frank E. Whitney, of Fishkill, N. Y., which was awarded a first-class certificate. The flowers measured 3½ to 4 in. across.

Mr. E. Jenkins gave an interesting lecture upon the growth and pruning of trees under the title of "Tree Surgery." He showed in a practical manner how trees are increased in value and live longer under judicious pruning. Mr. Wingett showed how the market value of timber could be increased by thinning, etc. Mr. Jenkins answered many questions in a very able manner and was accorded a hearty vote of thanks. No date has been decided for the society's annual dinner as yet. The committee in charge are Messrs. E. Jenkins, A. H. Wingett, A. J. Loveless, A. J. Jenkins and A. McConnachie.

The annual ball was held on January 24th and was a decided success, both financial and otherwise. The committee of which Mr. F. Butler was chairman are to be congratulated upon the success attending their efforts. Rose and Carnation Night will be held Saturday, April 2nd.

G. H. INSTONE, Secretary.

ELBERON HORTICULTURAL SOCIETY.

This society held a meeting on the 4th of February, President Peter Murray in the chair. There were present three directors of the Monmouth County Fair Association, and they asked the members of this society to co-operate with them to make a good show in the horticultural department.

The awards for competition were as follows: Wm. Seymour, for callas, 98 points; A. Bauer, carnations, 85 points; P. Ewen, sweet peas, 80 points; C. Duncan, azalea, 75 points; James Dowlen, a preliminary certificate for a variegated seedling carnation, also a certificate of culture for a vase of Anthurium Ferrierense. Mr. Dowlen also staged a fine collection of roses.

ALEX. FLEMING, Rec. Sec.

NEW BEDFORD HORTICULTURAL SOCIETY.

At the regular meeting of the New Bedford Horticultural Society the following officers were elected for the ensuing year, being a complete change in the official staff: President, Frank C. Barrows; vice-president, John P. Rooney; secretary, Wm. H. Richardson; treasurer, Walter A. Luce; executive committee, Jas. McVicker, A. H. Jahn, Edw. E. Pierce, Richard Parkinson, Geo. H. Salters, W. D. Hathaway, Albert Peters and John P. Rooney. The committee has near completion the schedule for the fall show, which will introduce many new features and will without doubt be the best show by far that the society has ever held, surpassing in some respects, it is hoped, any flower show ever held in this state.

NEWPORT HORTICULTURAL SOCIETY.

A regular meeting of this society was held on the evening of Feb. 22nd, and although the attendance was small on account of stormy weather a considerable amount of important business was discussed. A report from the executive committee was received and favorably commented on. This report recommended the holding of two exhibitions for the year, as usual, one in June mainly for roses, and the other in September for general exhibits. The report included a premium list with governing rules for the June show, which is similar to those of other years with a few changes that past experience has shown need for, and these recommendations will probably be adopted at the next regular meeting when a more representative meeting is expected. A. J. Richards, of Richards Bros., New York, was present at the meeting and made an offer of a valuable silver cup as a first prize in any suitable class which the society may arrange for, also a second prize of \$10 for same class, and needless to say the offer was gratefully accepted. Among other things considered was the recommendation made in a paper read at a recent meeting by Richard Gardner, that several sets of three judges be employed at exhibitions where many classes have to be judged, and this recommendation was strongly supported by all who spoke on the subject, so it is probable that this plan will be tried at our coming exhibitions. Eight members of this society attended the annual banquet of the R. I. State Horticultural Society in Providence, Feb. 16, and all report that they had a very enjoyable time.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting was held in Pembroke Hall, Glen Cove, on Feb. 9, with over forty members present, and President Duthie in the chair. Six applications for membership were received, and Mr. C. H. Hyde, Roslyn, was elected honorary member. The schedule for our summer show was approved, date and place to be decided later. The dahlia show will be held Sept. 28 and schedule for same was accepted. Stumpp & Walker Co. offered a silver cup for the fall show, and at our last dinner Geo. Burnett offered \$25 as prizes for same. Next meeting will be Rose Day, and three prizes are offered for best 3 white, 3 pink and 3 any color respectively. Vice-President Reidenbach also offered prizes for best two vases of sweet peas, 1st \$3.00, 2nd \$2.00.

Geo. Wilson's essay on "Carnations" was a treat, and it certainly deserves a first place among writings on the same subject.

Messrs. MacKenzie, Marshall and Johnson acted as judges and their decision was as follows: Carnations—12 white, V. Cleres with White Enchantress; 12 pink, A. Robertson with Enchantress; 12 mixed, V. Cleres with Imperial, Winsor and Enchantress. Cultural certificates to W. Eccles for Winsor and for Mrs. Chas. Knopf; H. Gaut, for sweet peas; E. Reidenbach for cyclamens; A. Robertson for Enchantress. Honorable mention to

F. Petrocchia for Primula Kewensis, and E. Reidenbach for freezias. At next meeting, Mr. Johnson will give us an account of his travels across the sea during his last vacation.

OSCAR E. ADDOR.

DETROIT FLORIST CLUB.

Members were well repaid for attending their last meeting because the paper on cyclamens, read by Mr. Winterick, of Defiance, Ohio, was so interesting, clear and plain that everybody became enthusiastic over it. Solicit points of the paper were:

Sow your seeds in flats, the rows to be 1½ inches and seeds in the rows ¾ inch apart. Cover flats with sphagnum to avoid the formation of green moss, which is very injurious to the bulbs later on. Work the soil frequently. Provide bottom heat to facilitate root formation, but provide cool air for the top of plants. Hot beds, not too warm of course, with sash well shaded and placed so that



E. C. BRUCKER

Retired Financial Secretary of Buffalo Florists' Club, Who Has Held Office for Ten Consecutive Years.

light winds pass over the leaves. Summer dews, especially in August and September, are very beneficial to the forming of buds. Give the plants plenty of room to develop good foliage and when moving the plants always press the foliage apart. Leaf mould, sandy loam, plenty of drainage, some charcoal and very fine siftings of bone shavings. Do not cut broken leaves or blooms as this will cause the balance of the stem to decay down and into the bulb; always pull them off with a quick jerk. Select your seed plants early in the season. Spotted flowers are the result of poor seeds, caused by insects interfering with fertilization.

After a lengthy discussion of this paper the flower show question was again brought up, and ended with a decided vote in favor of a show at Wayne Pavillons and a guarantee fund of over \$1,000. The meeting then adjourned till Wednesday night to hear more reports of the finance committee.

FRANK DANZER.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Begonia.

Publication notice is hereby given that J. A. Peterson of Westwood, Cincinnati, Ohio, offers for registration the Begonia described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's description. — Parentage, Socotrana ×, a sport of Lorraine type. Foliage large round, resembling foliage of Begonia Socotrana, but smaller. Height, 1 to 1½ ft. Color, deep soft satiny pink. The individual flowers are about 2 inches across.

Flowering period, from October to April, being at its best during latter part of December. Propagation by leaf-cuttings, or by splitting up the foliage, as with the Rex varieties. Soil, a light sandy loam and leaf-mold, with a little well-rotted cow manure. Its lasting quality is especially recommended.

Name, "Glory of Cincinnati."

Corrections.

The name, "Alice of Ingleside," was omitted from the registration on January 12, 1910, of the rose offered by Mr. Southwick Cary Briggs of Washington, D. C.

In the change of registration on January 20, 1910, by S. Cockburn & Sons of Woodlawn, New York, the name of the Chrysanthemum should have been "Mrs. Jane Cockburn" instead of "Mrs. Jane Cochran."

H. B. DORNER, Secretary.

February 17, 1910.

MINNESOTA STATE FLORISTS' ASSOCIATION.

The monthly meeting of this association was held at Merriam Park, Feb. 15. Louis Boeglin from the Minneapolis Park greenhouses, exhibited Cineraria stellata, which scored 80 points, and C. hybrida, 85 points. The flower show committee from St. Paul, reported a guarantee fund of \$5000, against \$15,000 subscribed in Minneapolis. The first flower show will be held at Minneapolis, the latter furnishing the largest guarantee fund. The president will appoint a committee of three growers and three retailers to draw up a premium list and prepare rules for judging, said committee to report at next meeting. J. Jorgensen, superintendent of L. S. Donaldson's greenhouses, read a very valuable paper on rose grafting, a copy of which will be sent to all the trade papers.

The second annual dance, held at Minneapolis, was a very successful affair. About 250 persons were in attendance. Minneapolis invited St. Paul to another bowling match to be held at Minneapolis on Feb. 24th. Professor Clemens, of the Minnesota State University, will read a paper on landscape gardening at the March meeting of the association.

C. N. Ruedlinger will leave the employ of the park board as forester, to engage in landscape work. His resignation will take effect March 15th.

Frey's New Single and Anemone Chrysanthemums

My originations were the sensation at the National Flower Show, 1908. They are the winners of the \$50.00 Silver Cup, 2 first and 1 second Prize, Certificate of Merit of the Chrysanthemum Society of America and Minnesota State Florists' Association, 2 First Prizes at Milwaukee, 1909.

These are all exceptionally fine for commercial purposes, either for cutting or as pot plants, it being my aim to send out only such varieties as have stood a severe test in this market. The constant gain in favor of these two types has been so rapid and their value for all sorts of decorative purposes so great, that every grower will want to invest in them. It has been stated by authorities that these varieties are a great improvement over those now in commerce.

1910 NOVELTIES

Mrs. Theodore Wirth. Anemone, a most beautiful, soft pink, with light yellow center, preceding Mrs. John Pesther, a money maker.

Alpine Glow. Anemone, large white flower, with a glow of pink, very beautiful.

Christina Scull. Single, medium-sized flower, like a golden Marguerite, very profuse.

Grace Clementina Burki. Single, pure white, large, round flower, very substantial, following Lady Lu.

Mrs. John Pesther. Single of medium

size, Enchantress pink, long, slender, wiry stems, comes for Thanksgiving, extra fine.

25c each; \$2.00 per 10; \$15.00 per 100.

1909 INTRODUCTIONS

ANEMONES

Lida Thomas. Delicate cream, late.

Gertrude Wilson. Deep yellow, very fine.

Beatrice Asmus. Pure white, one of the best.

Mrs. Edw. F. Swift. Delicate pale lavender, one of the first to bloom.

Mrs. Augusta Knab. Creamy white, with yellow center

Miss Ida Kroeschell. Light yellow, with quilled petals.

SINGLES.

Miss Dorothy Deneen. Silvery pink.

Bishop Henninghaus. Brown red, quilled part bronze, very odd.

Lady Lu. Beautiful white Shasta Daisy effect, extra.

Minnesota. Very striking, blood red.

Mrs. T. Edw. Wilder. Beautiful Enchantress pink, extra fine.

John Gossweiler. Bronze, resembling Gaillardia Aristata.

Rooted cuttings on 2½-inch pots, 10c each; 80c per 10; \$6.00 per 100.

Delivery will commence 2nd week in March. All orders will be filled strictly in rotation. Mention HORTICULTURE in writing.

ALOIS FREY, - Crown Point, Ind.

YONKERS HORTICULTURAL SOCIETY.

A very interesting meeting of this society was held on the evening of Feb. 16th. In response to the prize offered at our last meeting by Peter Macdonald a very fine exhibit of carnations was shown. The judges, Nichol A. Macdonald and W. Wright, awarded 1st prize to W. H. Waite; 2nd to J. Goff; honorable mention to R. Cummings and Mr. Cochrane. H. Scott also received honorable mention for a fine exhibit of Callas.

President Bennet read a very able paper on "American Beauty Roses," after which a general discussion was had.

Our next meeting will be on Wednesday evening, March 2. Secretary Waite will read a paper on "Gardeners and the Gardening Profession." The society will hold a dinner at Park Hill Inn on March 10.

LEE WHITMAN, Cor. Sec.

A CUP FOR SIX ROSES.

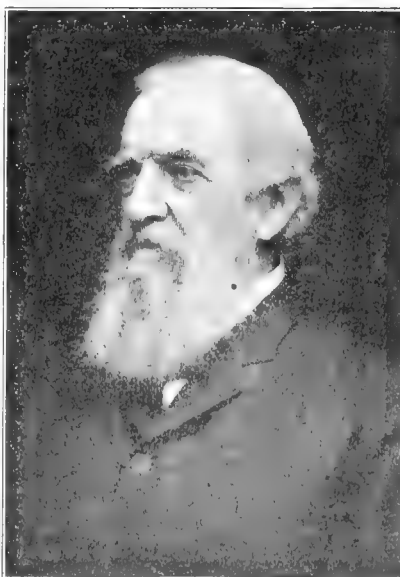
Among the prizes at the spring show in New York of the American Rose Society is a \$50 silver cup in Class G for the best display of six roses, American Beauty excepted, offered by Moore, Hentz & Nash of New York. The intent of the offer of so large a premium for an exhibit so small is that a grower with the smallest establishment may have his chance to compete. No doubt the competition will be extensive and the entertainment is for the visitor and not for the judges. The donors seek to add variety and interest to the show as a whole, by introducing a new department devoted to assemblages of various kinds and various colors in each six; and, because of the assured diversity of colors and of the freedom allowed as to sorts, there is every reason to expect a display affording entertaining contrasts, both in the exhibits and between them. Here will be a medley of specimens in contrast to the uniformity which is the feature of the rest of the show. It is intended to excite comment, to afford pleasure and instruction, and to produce a small "War of the Roses." The exact specification for this exhibit will be found in the official Prize Schedule of the American Rose Society for 1910.

OBITUARY.

Joseph E. Fuller.

In the death of Mr. Joseph B. Fuller on February 16, the seed business has lost one of its oldest and most esteemed representatives.

Mr. Fuller was born in Brooklyn, N. Y., Oct. 31, 1827. When he was three years old his family moved to Rochester, coming by the Erie Canal and stopping on their arrival at the old Rochester House, corner of Exchange and Spring street. At the age of four-



JOSEPH E. FULLER

teen he was apprenticed to the late Henry O'Reilly to learn the printers' trade. Later he was with the Genesee Farmer, published by the late James Vick and edited by the late Patrick Barry. Being for years in close relationship with Mr. Vick in the printing office, and the two being drawn together by a mutual love of flowers, he was easily persuaded to engage in the seed business. In 1863 he entered the employ of Mr. Vick, and continued almost uninterruptedly with the Vick firm from that time until failing health about a year ago necessitated his giving up active work.

Mr. Fuller's influence in the development of the business was scarcely second to that of Mr. Vick. His whole life was bound up in the work and his whole energy devoted to it. For years he had pursued the study of botany and his extensive knowledge of plants was of great advantage. His knowledge of stocks was extensive and thorough; his judgment and accuracy were without equal; and his honesty unimpeachable. To his perfect integrity and absolute reliability the success of the Vick seed business was in no small degree due. He was a thorough seedsman, far-seeing, conscientious and accurate.

During a trip to Europe, in 1888, Mr. Fuller was invited by Messrs. Carter, Dunnett & Beale to inspect their trials of peas. Of one particular variety, his opinion was asked as to its quality. His reply was: "It's a daisy." This bit of American slang evidently impressed the famous English seedsmen, for a few years later this variety was introduced as "Carter's Daisy," and fully justified Mr. Fuller's opinion of its good qualities. His genial manner made him hosts of friends in the trade. Many a long chat, over cigars, did he and the veteran seedsman William Meggatt have in the old Vick Seed House, on East avenue, in the eighties.

Mr. Fuller's genialty was one of his most prominent characteristics. He had a good story apropos to every occasion. His reminiscences of the early days of Rochester, and of the volunteer fire department of which he was a member, were particularly enjoyable. He was a member of the Rochester Academy of Science, giving devoted attention to the work of the Botanical Section. In 1896, when the Academy published a list of the plants of Monroe County, it was difficult to find a compositor sufficiently familiar with botanical terms to set up the list in a satisfactory manner. Mr. Fuller came to the rescue, and though it was years since he had stood at the case, he set all the type for this work of more than 150 pages, a remarkable achievement for a man of his years, as well as from a typographical standpoint.

With his fellow workers in the seed business he was always pleasant, kind, patient and forbearing, with the old-time courtesy of manner so seldom

WISDOM IN LENT

The really wise man shows his wisdom by looking ahead and getting prepared for the future.

You Can Make

no better use of these quiet days in Lent than by laying in a stock of necessary and salable goods for the rush that is sure to follow.

Bear In Mind

that **Bayersdorfer & Co.** can supply you with everything requisite for a successful and profitable Easter and Spring trade except fresh plants, flowers and business sand. These you must find elsewhere. The first evidence that you have the sand and the wisdom will be to send for our magnificently illustrated Wholesale Catalogue.

We have the best line of novelties ever offered in America.

H. BAYERSDORFER & CO.

1129 Arch Street,

Philadelphia, Pa.

seen now-a-days. In his death they feel that "a good man has fallen."

Mrs. Elizabeth Fanning Brooks.

Worcester, Mass.—Mrs. Elizabeth Fanning Brooks, wife of Chas. E. Brooks, formerly treasurer of the Worcester County Horticultural Society for many years, and sister of David H. Fanning, died Feb. 16, age 76 years.

Mrs. N. A. Benson.

Denver, Colo.—Mrs. Benson, wife of N. A. Benson, died Feb. 7th at the family residence, 1306 South Sherman St. The funeral was held Feb. 9th, with interment at Fairmount Cemetery. Nearly all the local trade were in attendance.

George W. Schroyer.

A brief telegram on the 23rd inst., announced the passing away on the 22nd, of George W. Schroyer, of Lancaster, Pa. Mr. Schroyer was nearly 90 years of age and was active in the florist business in Lancaster up to about a year ago. His son, Harry A. Schroyer, has been associated with his father in the business for many years and will continue same.

A splendid opportunity to possess the most beautiful of the newest and most popular forms of fancy single and anemone chrysanthemums is offered in the advertisement of Alois Frey, in this issue. Mr. Frey's productions are recognized as unexcelled in this country or abroad, and have been the sensational feature of the Chicago chrysanthemum shows for several years.

PERSONAL.

Newark, N. J.—John Watson has been elected secretary of the Jackson & Perkins Co. as a reward for faithful service.

Pittsburgh, Pa.—Ben. L. Elliott and Miss Mary Bader, daughter of John Bader were married Tuesday morning, Feb. 8, and left on the noon train for a honeymoon trip.

Hartford, Conn.—Vincent H. Olmsted of 10 Pliny St., foreman for John Coombs, was the unfortunate victim of a fall from a ladder while decorating a building two weeks ago.

Chicago, Ill.—E. B. Washburn and wife will start for California Feb. 25th, and locate near Riverside. The trip is taken to benefit Mr. Washburn who has been in poor health for some time.

Waterbury, Conn.—John Saxe of Saxe & Floto, 205 So. Main St., has been in the hospital for the past 12 weeks. He is now recovering and expects soon to be at his business again.

The Engelmann Botanical Club of St. Louis met on February 14th. E. G. Arzberger of the Shaw School of Botany read a paper on "Root-tubercles of a few plants and some facts regarding the fungus which cause them." This was one of the best papers read before the club for a long time and was much enjoyed by the members. This club is about to publish a "Preliminary Check List" of our local flora. H. P. Chandler is president; L. P. Jensen, gardener to Adolphus Busch, is secretary and treasurer. The next meeting of the club will be March 14th.

Horticulture Pub. Co.:

Dear Sir:—We have read your journal from the first number and want to keep on. It is getting better and better.

Yours truly,
S. & S.

WHAT

APHINE

Will Do at Public Tests

It Will Do for YOU

At these demonstrations we proved conclusively that within a very short time it will destroy Black, Green and White Fly, Mealy Bug and Scale.

It is equally effective against Red Spider and Thrips.

Its comparative cost with other insecticides makes APHINE one of the most economical remedies now on the market for greenhouse and outdoor work.

Send for name of nearest selling agent

Aphine Manufacturing Co.,
MADISON, N. J.

OSMUNDA FIBRE

We offer for immediate delivery in any quantity either the Yellow or Black Fibre of the Finest Grade, suitable for Orchids.

We can also supply at once Rotted or Azalea Peat, Leaf Mold, Live or Baled Sphagnum Moss.

SAMPLES AND PRICES UPON REQUEST

C. W. BROWNELL & COMPANY, WALDEN, N. Y.

CHICAGO NOTES.

The Visit to Urbana.

A creditable number of florists left Chicago, Tuesday, Feb. 15, for the two days' session of the Illinois State Florists' Association, at the State University, Champaign, where also includes the Agricultural Experiment Station. Among the number from Chicago were P. J. Foley, C. M. Dickinson, A. T. Hey, W. L. Palinsky, John Then, August and Adolph Poehlmann, C. L. Washburn, H. B. Howard, Mrs. M. Flint, C. W. Johnson, J. C. Vaughan, W. N. Rudd, R. S. Woodyard, Anton Then, A. T. Pyfer, T. Prodic, N. P. Miller, F. Kidwell, Geo. Asmus and M. Barker. A gracious hospitality was shown the two hundred or more in attendance, by the president of the Illinois State University, President Edmund J. James, who gave them an address of welcome that left no doubt as to his sincerity. P. J. Foley was the man to respond and as usual did it in a very acceptable manner. An account of the meetings is given elsewhere. Election of officers was recorded last week. Mr. C. L. Washburn, president-elect, says that if growers generally, only realized the help the Experiment Station can be to them they would not consider the cost of a trip there of any account. Much that the individual grower must learn by experience, can be learned here for the asking. Four varieties of carnations, Enchantress, Beacon, Winsor and White Perfection, are being tested with five different plant foods. So far Enchantress has been found to be the heaviest feeder and Beacon the lightest. The effects of over-feeding are also noted. At the close of the season a bulletin containing the results of these tests will be mailed to each member of the state society of florists.

A Problem for the Floral Artists.

Now that Lincoln Day, St. Valentine's Day and the day of the Father of Our Country are all in the past, Chicago florists will have a few days in which to think of a suitable window for the 17th of March. It will take plenty of real ingenuity to get up a window display that will properly do honor to the patron saint of Ireland, and the President of the United States at the same time. A big stick covered with shamrock would have been so easy had it been the former president. But no doubt our florists will be equal to the occasion and get

ORCHIDS ROEHRS, Rutherford, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

up something that will do themselves credit.

An Educational Venture.

Chicago has a proposition for using its 240-acre Gage farm. A. W. Beilfuss, chairman of the small parks commission, plans to make a sort of horticultural college of this farm, where anyone can go and learn what kind of trees and shrubs to plant and how to care for them. He further plans to make it possible for the city to sell plants, trees and shrubs for a little more than cost, to every lover of the same. (Better cut out that part of it.—Ed.) This farm has been leased for one-fourth the amount of taxes, but this year the city has refused to again rent it.

The Excursion to Joliet.

About twenty-five took advantage of the excursion to Joliet and were entertained by the Chicago Carnation Company in good style. Everything in the way of stock is fine and the visitors were much pleased with the new varieties as well as the old.

City News.

The cement exhibit at the Coliseum is of interest to the florists, that com-

STUART LOW & CO., late of Hugh Low & Co. dissolved, are now receiving large importations of **BURMESE DENDROBIUMS**, such as **Wardianum**, **Crassinode**, **Fimbriatum**, **Devonianum**, **Nobile Brymerianum**, **Thyrsiflorum**, etc., and will give excellent value.

Also hold very large stock of **WARDIANUMS**, **CRASSINODES**, etc., to flower **THIS SPRING**.

Also **LAELIO-CATTELYAS**, **BRASSO-CATTELYAS**, **ODONTOGLOSSUMS** in spike, all for Spring and early Summer flowering.

Catalogue on Application

Royal Nurseries, Bush Hill Park, Enfield, England

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

position having rapidly gained in favor as a greenhouse construction material.

In the death of Mrs. H. W. Magee, last week, Chicago lost a woman who has been active in the civic betterment of the city. She was especially noted for her work in the interest of the small parks.

P. N. Obertin of Kenosha, Wis., says he never saw more flowers used than at a recent funeral there. He furnished 1200 dollars' worth himself and those supplied by Milwaukee florists filled an entire express car.

There will be an International Forest, Fish and Game Exposition at the International Live Stock pavilion, March 19 to April 2. A contract has been let for the construction of an artificial lake to cover an area of 28,125 square feet.

The trade responded liberally with flowers to be sold at the benefit play for the Anti-Cruelty Society, at the Grand Opera House, Feb. 21st. Florists in Chicago, as elsewhere, have big enough hearts to lend a helping hand in a good cause.

One portion of the city celebrated

Beautiful! Novel! Valuable!

The Newest Lilacs

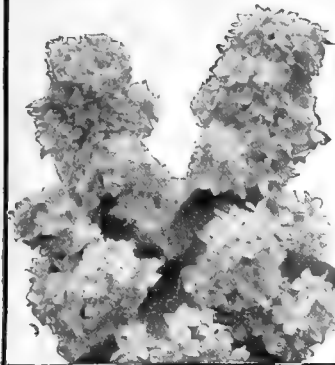
Double and Single
Extraordinary Offering

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue which contains accurate and trustworthy descriptions of the best

**FRUIT AND ORNAMENTAL TREES,
SHRUBS, ROSES and HARDY PLANTS**

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N. Y.



BEACON CARNATION CUTTINGS

We have a quantity of well-rooted cuttings from especially strong stock.

THESE ARE CUTTINGS THAT ARE SURE TO PLEASE.

We are making a specialty of Rooted Cuttings and believe the way to permanent success lies in sending out on every order only the kind of stock that will lead to further orders from that customer, and from those he tells about the satisfactory stock obtained from us.

Nothing Spectacular—Just the Best Cuttings that can be had, and at Right Prices.

CARNATION CUTTINGS

Clean, well-rooted stock, the kind that will make you and your friends our regular customers.

	Per 100	Per 1000		Per 100	Per 1000
Winsor	\$2.50	\$20.00	Enchantress	\$3.00	\$25.00
Beacon	3.00	25.00	White Perfection	3.00	25.00
White Enchantress	2.50	20.00	Rose Pink Enchantress	2.50	20.00

Immediate delivery. Write for special prices on large quantities. No order too large for our facilities.

CHRYSANTHEMUM CUTTINGS

Now looking orders for early delivery.

WHITE	Per 100	Per 1000	WHITE	Per 100	Per 1000	YELLOW	Per 100	Per 1000
Oct. Frost	\$2.00	\$15.00	T. Eaton	\$2.50	\$20.00	Golden Glow	\$2.00	\$15.00
Kalb	2.00	15.00	Chadwick	2.50	20.00	Monrovia	2.00	15.00
V. Poehlmann	2.50	20.00	Nouin	2.00	15.00	Oct. Sunshine	2.00	15.00
Touset	2.00	15.00				Appleton	2.00	15.00
A. Byron	2.00	15.00				Y. Eaton	2.50	20.00
Wanamaker	2.00	15.00	PINK			Golden Chadwick	3.00	25.00
White Cloud	2.00	15.00	Ballour	2.00	15.00	Halliday	2.00	15.00
			Enguehard	2.00	15.00	Bonnaillon	2.00	15.00

J. D. THOMPSON CARNATION CO., - - Joliet, Ill.

ROEHRS, RUTHERFORD N. J. PALMS, All Sorts and Sizes

the 22nd of February by the dedication of a small park, known as No. 2, at the corner of Barber, Union and Jefferson streets and West 14th Place. Jane Addams made the address, the subject of which was "The Child and the Park."

GLADIOLI

Brenchleyensis, Ceres, May, Pactole, Isaac Buchanan, La Marck, White and Light, Yellow and Orange, &c.

Lilies, Iris, Delphinium formosum, Calceolae, Hyacinthus, Cooperias, Chlidanthus, Amaryllis and other summer flowering bulbs

Send for prices.

E. S. MILLER Wading River L. I., N. Y.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

Chicago florists generally, did not honor the Father of their country by any great window demonstration. Perhaps the cold, stormy weather, causing a dropping off in business which had seemed a week ago to be brightening up, was too depressing. At any rate, the cherry trees and hatchets were not plentiful.

Visitors—J. J. Karins, representing H. A. Dreer, Phila.; Mr. Creighton, representing A. T. Boddington, N. Y.; P. N. Obertin, Kenosha, Wis.; Robt. Fulton, with Henry & Lee, N. Y., on his way home from Japan. Mr. Fulton spends all but two or three months of the year in Japan and China.

A CUBAN EXPEDITION.

A party consisting of Dr. N. L. Britton of the N. Y. Botanical Garden, Mrs. Britton and Perry Williams from New York, to be joined by Prof. F. S. Earle at Cienfuegos, started on February 17 for southern Cuba to botanically explore the Trinidad Mountains in the province of Santa Clara. The party will not return until end of March or possibly later.



MARTIAL BREMOND

Martial Bremond of Ollioules, France, is the largest grower of strictly first class French bulbs in existence. His clientele is composed of the most critical buyers all over the world. They are men who have bought Bremond products for many years, and know the value of his bulbs. Horseshoe Brand Products in French bulbs are "Bremonds" and which means that they are the best the market affords, in the various sizes offered.

Write us
RALPH M. WARD & CO.
12 West Broadway
NEW YORK

REPRESENTING

MARTIAL BREMOND, Ollioules, France. Not How Cheap But How Good



WINNERS**READ THEIR RECORD**
Pittsburg, January 26th, 1910.

S. A. F. Silver Medal for best vase of 50 not yet disseminated — MRS. C. W. WARD.
 S. A. F. Bronze Medal for second best vase of 50 not yet disseminated — ALMA WARD.
 Best 100 light pink — MRS. C. W. WARD.
 Best 100 white — ALMA WARD.
 Special Sweepstake Prize for best vase of any color — ALMA WARD.

FORMER AWARDS**MRS. C. W. WARD**

Society of American Florists, Silver Medal, Boston, 1906;
 The Craig Cup for Best Seedling, Philadelphia, 1906; The
 Lawson Bronze Medal, Washington, 1908; The Horticultural
 Society of N. Y. Silver Medal, Sweepstake prize for best 100
 blooms, New York, 1909; The Horticultural Society of N. Y.
 Diploma, for best new variety, New York, 1909.

ALMA WARD

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal
 having been awarded); The Lawson Gold Medal, Washing-
 ton, 1908; The Society of American Florists Silver Medal,
 Washington, 1908.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with
 full centre; color deep pink several shades lighter than
 Lawson, deeper than Winsor; having strong, erect stems
 24 to 36 inches in length. A vigorous, healthy grower and
 has never shown disease of any kind.

A very early and free bloomer, producing fine flowers
 as early as September 1st, which bring from twenty-five to
 fifty per cent more than any other variety on the market.

Prices Rooted Cuttings

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000; 25 at the
 100 rate, 250 at the 1000 rate.

Delivery February 20th**ALMA WARD**

This beautiful Carnation is pure white except during
 the dark weather when it shows delicate splashes of pink
 similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carna-
 tion ever grown, producing perfect flowers $3\frac{1}{2}$ to $4\frac{1}{2}$ inches
 in diameter on strong, erect stems 36 to 42 inches in length.

Prices Rooted Cuttings

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100,
 \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery March 1st**INVITATION**

We extend a cordial invitation to all those interested to visit our estab-
 lishment, where they will have an opportunity to see them growing and
 compare their good points with other standard varieties grown under the
 same conditions.

Cottage Gardens Co., Inc. Queens, Long Island, NEW YORK**ROOTED CUTTINGS CARNATIONS HEALTHY STOCK**

Beacon, Enchantress, Kingston Pet,
 White Enchantress, Winsor. Price \$3.00
 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson,
 Red Lawson, Pres. Seelye, Variegated
 Lawson, White Lawson. Price \$2.50 per
 100; \$20.00 per 1000.

ROSES

Grafted and Own Root. Have a few thousand
 each. Send for List.

WOOD BROTHERS
FISHKILL, N. Y.

Blooms 3-3½ inches
 Stems 24-30 "

Strong Grower.
 Free From Disease.

Bon-Ami

×
G. E. BUXTON
 Nashua, - - - - N. H.

An early, continuous
 bloomer.

An honest Commer-
 cial Carnation.

A new seedling White Carnation of exceptional merit as a dividend payer. Not a Gold Brick or
 Bunco Sort. One that will pay its Board and Lodging and present its owner with a balance on
 the right side of Ledger. Buy it and be convinced that Bon-Ami is all that its name stands for
 "A Good Friend."

Price \$10.00 per 100.**\$75.00 per 1000.****SHASTA**

We are now shipping fine strong cuttings of Shasta. Orders already
 booked will take all we can deliver up to February 15th, but we can still
 accept orders for late February delivery. Send yours in at once.

BAUR & SMITH Indianapolis, Ind.**PEONIES**

Send for our list. The very choicest
 Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress

Afterglow, Winona, Winsor, splendid
 plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,
Richmond, Indiana.**CARNATION**

Rooted cuttings, both standard varieties,
 and the best novelties of the season. Write
 us before placing your order. We will
 guarantee first-class stock and prompt deliv-
 ery.

KATALOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.**CARNATIONS****Rooted Cuttings**

Mrs. C. W. Ward, \$12.00 per 100; \$100.00 per 1000
 Alma Ward, 15.00 " 125.00 "
 Mrs. J. C. Vaughan, Bay State, Georgia and O. P.
 Bassett, \$6.00 per 100; \$50.00 per 1000.
 White Enchantress, Beacon, Robert Craig, After-
 glow, Rose Pink Enchantress and Harlowarden,
 \$3.50 per 100; \$30.00 per 1000.

NOW READY

New Crop, Early Flowering Single Chrysanthemum
 Seed and Gold Medal Pentstemons at 25c and
 \$1.00 per package.

CHARLES H. TOTTY, MADISON, N. J.**CHRYSANthemUMS**

All orders booked now for early
 delivery.

Write for Catalogue

ELMER D. SMITH & CO.
ADRIAN, MICH.

Dreer's Tuberous Rooted Begonias



Fancy Leaved Caladiums, Gloxinias and Tuberoses.

The Begonias and Gloxinias which we offer are grown for us by an expert who has made a specialty of this class of plants for many years. You can secure cheaper but not better stock.

Begonias, Singles in separate colors, Scarlet, Crimson, White, Rose, Yellow and Orange, 40c per doz.; \$2.50 per 100; \$22.50 per 1000.

Begonias, Singles in choicest mixture, 35c per doz.; \$2.25 per 100; \$20 per 1000. Doubles in separate colors, Scarlet, Rose, White and Yellow, 60c per doz.; \$4.50 per 100; \$40.00 per 1000.

Begonias, Doubles in choicest mixture, 50c per doz.; \$4.00 per 100; \$35 per 1000.

Sun-Proof Begonia, Duke of Zeppelin, 85c per doz.; \$6.00 per 100.

La Fayette, \$1.25 per doz.; \$8.00 per 100.

Friiled Begonias, in separate colors, Scarlet, White, Pink and Yellow, \$1.00 per doz.; \$7.00 per 100; \$65 per 1000.

Gloxinias, in choice mixture, 60c per doz.; \$3.50 per 100; \$30 per 1000.

Fancy Leaved Caladiums, choicest standard Varieties, \$1.50 per doz.; \$10 per 100 choice new and rare varieties, \$2.00 per doz.; \$15 per 100 select new varieties, \$3.50 per doz.; \$25 per 100

Double Pearl Tuberoses, selected bulbs, 4 to 6 inches in circumference, \$1.00 per 100; \$8.00 per 1000.

For a full list of seasonable Plants, Bulbs and Seeds, see our Quarterly Wholesale Price List, issued Jan. 1.

HENRY A. DREER, Inc., Philadelphia

THE ABOVE PRICES ARE INTENDED FOR THE TRADE ONLY

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

SANGAMO

New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

\$100.00 per 1000

A. C. BROWN,
Springfield, Ill.

CHICAGO CARNATION CO.
Joliet, Ill.

**A New Seedling
Carnation :: ::**

Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. \$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co.,

A. T. PYFER,
Manager.

Joliet, Ill.

MARY TOLMAN

A NEW LIGHT PINK
CARNATION FOR 1910

\$12.00 per 100. \$100.00 per 1000.

A. E. HUNT & CO.,
Evanston, Ill.

CHICAGO CARNATION CO.,
Joliet, Ill.

HUNT BROS.,
Park Ridge, Ill.

Ten points of excellence of the New Seedling Begonia "GLORY of CINCINNATI"

1. It lasts longer in the dwelling than any other Begonia.
2. It is a most beautiful shade of soft, satiny pink.
3. The individual flowers are much larger than those of Gloire de Lorraine.
4. Easily propagated.
5. Easy of cultivation.
6. Strong, robust grower.
7. It can be grown in a 4-inch pot to look like a plant.
8. It flowers from October to April.
9. Not surpassed by any other Begonia.
10. The best plant for the Christmas Trade.

\$1.00 each, \$9.00 per dozen,
\$50.00 per 100 July Delivery

You cannot invest your money to better advantage.

J. A. PETERSON

McHenry Ave., Westwood,
CINCINNATI, O.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots..\$25.00 per 100 | 6 in. pots..\$75.00 per 100
5 in. pots.. 50.00 " | 7 in. pots..150.00 "

THOMAS ROLAND, NAHANT, MASS.

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

ROOTED CUTTINGS

Chrysanthemums, Golden Glow, Monrovia, Estelle, Polly Rose, Pacific Supreme, Desjouis, Poehman, Enguehard, Nonin, etc.
Geraniums Nutt, Perkins, Ricard, Buchner.
Carnations, Boston Market.
Hardy Pinks, Giant Flowering Pansies, ready to bloom, all \$1.00 per 100, \$10.00 per 1000.
List.

EDWARD WALLIS, Atco, N. J.

Seed Trade

The Cannery Convention.

The Cannery Convention at Atlantic City, proved, as predicted in these columns some weeks ago, very much of a frost in so far as the attendance of the cannery themselves is concerned. Not over a third of the number which attended the two last conventions were present, and while much business of importance was transacted, it was very evident to all that the absence of a machinery exhibit was largely responsible for the slim attendance. About the usual number of supply men were on hand, but not nearly as many machinery men. The heads of the different concerns were there, with possibly one or two leading representatives, but the large army of workers who usually accompany the machinery to install and operate same, were of course, absent.

A Prospect for Harmony.

One result of this rather slim attendance of cannery has been a change in their attitude towards the Machinery and Supplies Association, and it looks now as if the two organizations would work together on a basis of real co-operation. A committee of four from the Cannery Association, three from the Brokers' Association and three from the Machinery and Supplies Association are to meet in Chicago early in March, to decide on the place for the next convention and also to thresh out whatever differences may exist between the different organizations. The personnel of the various committees promises an amicable and harmonious session, and it is generally believed that much of the friction which has heretofore existed will be eliminated from future conventions. The cannery committee is composed of advanced thinkers and men who are very much disposed to concede to others the rights which they ask for themselves, and it certainly is to be hoped that the different organizations will get together in a spirit of real harmony and co-operation.

Possibly Milwaukee for Next Year.

The full number of seedsmen and their representatives were on the job, but according to all reports it was a very poor convention for business. More than one was heard to say that they did not do business enough to pay expenses. These are the fortunes of war, however, and such conditions have to be accepted, as well as those that are profitable to the supply men. While it may be a little previous to name the place for the next convention, it looks as if Milwaukee will be the place, though of course it depends on the action of the committees which are to meet, and as a matter of course the cannery will have the principal say and the predominating influence.

Government Seed Contracts.

Just at present, the Department of Agriculture is wrestling with its annual seed contracts. Bids were opened on the 15th and the clerks are now busy tabulating same and it will be several days before the committee will be able to award the contracts to the various bidders. Three classes of bids

were invited this year, one permitting the bidder to offer such items as he felt best able to handle and on the pro rata basis of delivery in the event of short crops; another invited bidders to bid on the entire contract, on the same basis of delivery in the event of short crops; while a third asked for guaranteed delivery, regardless of crop conditions. It is generally assumed that one or two bids covering the entire requirements will be made, but in view of the extremely bad outlook for many seed crops, especially European productions, it looks as if any one who will guarantee deliveries, is taking a pretty long chance of getting the loser's end. Certainly, unless their prices were pitched in a pretty high key, and under such conditions a bidder stands very little chance of securing any business, as your Uncle Sam is a very close buyer in so far, at least, as the Department of Agriculture is concerned.

Seed Trade Activity.

Business in the seed trade seems to be very satisfactory as far as can be ascertained, and stocks generally are moving well, with the possible exception of onion seed. There is much complaint that this item is going very sluggishly, although there is yet time for an active trade and it is earnestly hoped it will come. Further and more detailed news will be given about seed matters in the succeeding issues of HORTICULTURE.

FREE SEED AND PARCELS POST.

Editor of HORTICULTURE:

At the February meeting of Gardeners' and Florists' Club of Boston, the questions of the abolition of free seed distribution by the Government and the adoption of a parcels post system were brought up and urged by several of the members present, and the club unanimously endorsed two resolutions to be sent to Washington in support of their views. I would like to suggest in addition to this that HORTICULTURE take the matter up and stimulate the movement by advising every reader of this paper, who is a voter, to write a personal letter to the congressman in his district, putting it squarely up to him that unless he supports all legislation for the abolition of the free seed distribution and for the adoption of a parcels post, the writer will not support him for re-election.

This movement has been agitated by some of the N. Y. State agricultural papers for some time, and I believe that if all the periodicals published in the interests of both horticulture and agriculture would take the matter up and advise their readers to make the subjects a personal issue, the results would be far more effective than any amount of resolutions adopted by the different societies. The voter has the power in his hands to demand his needs, but the lack of system in its application.

Yours Very Truly,

WM. R. THORNHILL.
Readville, Mass.

Boston, Mass.—H. Buck, formerly with a New York seed house is now employed by the W. W. Rawson Seed Co.

—GREEN— Cane Stakes For Your Lilies

6 to 8 ft., \$7.00 per 1000

WM. ELLIOTT & SONS,
42 Vesey St., New York.

I OFFER CHOICE QUALITY

Early Ohio Potatoes, \$1.00 bu.; Early Irish Cobbler, \$1.00 bu.; Genuine Danish Ball-head Cabbage Seed (imported stock) \$4.00 lb. All Early Radish seed (French Stock) \$.40 per lb. Northern grown Kellow or White Onion Sets, \$.35 per bu. All F. O. B. Syracuse. Remittance with order. Reference any bank in Syracuse.

F. H. EBELING, Seedsman
Established 1868. Syracuse, N. Y.

EARLY TOMATOES IN CONCRETE PLANT PROTECTORS

A tried and proven success. Keep out frost and draw heat. Equal for forcing to the famous bell jars used in France. Field trials show four times the yield, ripening a month ahead of season, and value increased 100 times. No blight or insects. Useful for lettuce, rhubarb, melons, etc. Hold water for irrigation. Patent just issued on protectors, and line wire opens or closes 100 instantly. Illustrated treatise tells how to make them quickly at 2c each, how to make molds at 25c. Also, full information about this method. Each purchaser of book has privilege to make mold and protectors. Mention this paper and send \$1.00 for book. Money back if not satisfied.

J. H. HALEY, Seed Grower, Munith, Mich.

SEEDS THAT GROW

Best quality Vegetable, Flower and Farm Seeds, Alfalfa, Clover, Seed Potatoes, etc. We will send free with our catalog a packet of our New Coreless Tomato, the best of all tomatoes. Do not fail to try our Bountiful Collection of Vegetable Seeds, the best 5 varieties on earth, postpaid for 40c. We also carry full line of Nursery stock.
German Nurseries,
Box 236, Beatrice, Neb.

NEW CROP FLOWER AND VEGETABLE SEEDS FOR FORCING

Asters, Salvias, Vincas, Verbenas, Stocks and Petunias, Tomato "The Don," Onion "Ailsa Craig," Mushroom Spawn—English and Pure Culture. Special prices and catalogue on application.
Seed Merchants & Growers
Weeber & Don, 114 Chambers Street, NEW YORK

Peas and Beans

If you want our growing prices for Crop 1910 please let us know.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

NOTES.

Larimore, N. D.—S. F. Mercer and J. H. Magor have opened a seed store here, the firm name being M. & M. Seed Store.

Harrisburg, Pa.—Walter S. Schell formerly with the Holmes Seed Co., has gone into business for himself at 1308 Market St. The store has been fitted up very completely with vermin-proof seed cases and shelving.

RELIABLE ASTER SEEDS

INVINCIBLE. A superior strain of great value to the florist for cutting; plants of branching habit; flowers of large size and perfectly double.

	Trade Pkt.	Oz.
235 Blue	\$0 30	\$1 50
236 Crimson	30	1 50
237 Lavender	30	1 50
238 Rose Pink	30	1 50
239 White	30	1 50
239A Mixed	30	1 25

IMPROVED SEMPLE'S BRANCHING (Michell's).

An improved Strain which has been obtained by years of careful selection.

	Trade Pkt.	Oz.
257 Lavender	\$0 40	\$1 50
258 Rose Pink	40	1 50
259 Shell Pink	40	1 50
260 Purple	40	1 50
261 Crimson	40	1 50
262 White	40	1 50
263 Choice Mixed	40	1 50

QUEEN OF THE MARKET (Extra Early). A well-known and desirable florists' variety.

	Trade Pkt.	Oz.
275 Dark Blue	\$0 20	\$0 60
278 Crimson	20	60
276 Light Blue	20	60
274 Rose Pink	20	60
277 Blush Pink	20	60
279 White	20	60
280 Mixed	20	60

Write for Our Wholesale Catalogue. It will interest you

HENRY F. MICHELL CO.,

518 and 1018 Market St.,

Philadelphia

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Thorburn's Bulls

Lily of the Valley Pips

COLD STORAGE.

Our usual high grade quality.
Price on application.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts \$1.25.....	25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts. \$1.25.....	25
Phlox dwarf Fireball.....	35
" " Roseball.....	3
" " Snowball.....	40
" " (early, all shades mixed)	35
Salvia Zangen's Fireball, fine for pots early.....	50
Salvia Zangen's King of Scarlets late.....	50
" " Zurich, earliest dwarf.....	50

For Other Seeds See My New Catalogue.
IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



A SUBSTITUTE For Bordeaux Mixture

10 gal. keg making 1,500 gal. Spray, delivered at any R.R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

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BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

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STANDARD SEED

FOR THE Florist and Market Gardener.

Price list free on request.

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LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangstraede 20,
COPENHAGEN, DENMARK.

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FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

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178 Washington St, Boston, Mass

NEW PRICE LIST
of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 1st next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

SEED for FLORISTS
TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.
Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
26 & 27 So. Market St., BOSTON, MASS.

CABBAGE Wakefield and Succession. \$1.00 per 1000. \$8.50 per 10,000.
PARSLEY 25 cts. per 100.
LETTUCE \$1.25 per 1000.
Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
CASH WITH ORDERS
R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



Stock Seed

Fiske's Branching in all colors, Tr. pkt. 40c. oz \$4.00.
Pure White, Tr. pkt. 5c. oz. \$5.00.
Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
Boston, Mass.

In writing to Advertisers kindly mention Horticulture

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**Artistic Designs . . .
High Grade Cut Blooms**

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We ship to all points in Illinois and Iowa.

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Carefully filled.

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Coates House Conservatory
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Both 'Phones 2670 Main.



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D. C.

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Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

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will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

DETROIT A steady demand for design work with liberal counter sales make us forget that Lent has arrived. Calls for spring opening decorations are becoming more frequent and a general distribution of them ought to bring us up to Easter without experiencing any dullness. Breitmeyers are showing very handsome dwarf apple trees in bloom, also wistaria, and both prove to be good sellers. Mr. Fetters' steadily increasing trade shows plainly that a persistently well decorated window, even if located on a side street, is bound to bring results.

WASHINGTON There is an abundance of all kinds of flowers except roses. The demand for bulbous stock is better than on the winter favorites, and in consequence carnations are piling up. The florists are paying their usual tribute to the "Father of their Country," and the windows look like a cherry orchard. Not only are there trees in bloom but in fruit, and there are hatchets galore.

STEAMER DEPARTURES

Allan.

Pretorian, Boston-Glasgow... Mar. 3

Cunard.

Mauretania, N. Y.-Liverpool... Mar. 2

Carmania, N. Y.-Med't'n... Mar. 5

French.

La Bretagne, N. Y.-Havre... Mar. 3

Hamburg-American.

K. Aug. Victoria, N. Y.-H'b'g... Mar. 5

North German Lloyd.

Prinzess Irene, N. Y.-Med't'n... Mar. 5

K. Wilh'm d'Grosse, N. Y.-B'n... Mar. 8

Red Star.

Kroonland, N. Y.-Antwerp... Mar. 2

Finland, N. Y.-Antwerp... Mar. 5

White Star.

Laurentic, N. Y.-Liverpool... Mar. 5

Philadelphia, N. Y.-S'hampton... Mar. 5

NEW FLOWER STORES.

Chicago, Ill.—T. G. McNalley, 477 Wabash Ave.

Moline, Ill.—Peterson & Eckstam Bros., 1229 Fifth Ave.

Grand Haven, Mich.—Peter Lubin, formerly with Hancock & Son.

Ridgefield, Conn.—Wm. Pinchbeck will shortly open a store in connection with his greenhouse.

N. W. Hannaford is now the proprietor of two flower stores, one The Hiawatha, at Portland, and the other The Minnehaha, at Westbrook, Me.

Lethbridge, Canada.—The Terrill Floral Co. has been organized here and is located at the corner of Ashmead and Dufferin Sts. J. E. Terrill was formerly connected with A. M. Terrill & Co.

Wheeling, W. Va.—In our Feb. 12th issue we stated that Frank Seibert had rented the place formerly run by Edward O'Neil. Mr. Seibert writes that he has bought this place.

ALEX. McCONNELL

571 FIFTH AVENUE
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

**Choice Flowers and
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FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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EDWARD MACMULKIN
194 Boylston Street, Boston



**LOUISVILLE, KY.
JACOB SCHULZ,**
550 South Fourth Ave.

Established 1874.

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

CHAS. EBLE*Florist*

121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

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FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.WILL TAKE PROPER
CARE OF YOUR ORDERS IN Wisconsin**THE BOSTON
CUT FLOWER CO.**

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

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Telephone, Main 3681.**TRANSFER**

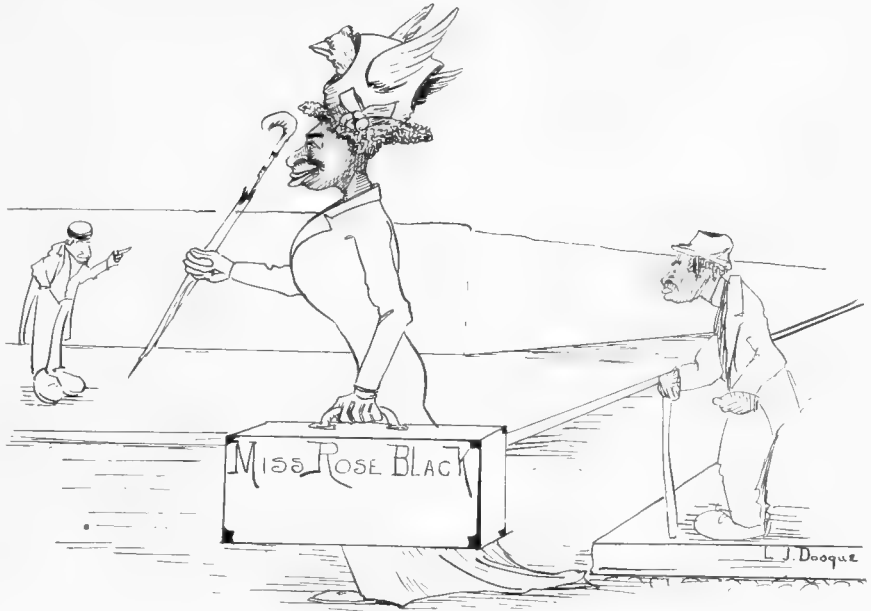
Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
2 Beacon St., Boston**WELLESLEY COLLEGE**Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**GALAX, bronze and green, fresh crop.
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.**Flower Deliveries**For Cape Cod, Martha's
Vineyard and Nantucket.**H. V. LAWRENCE**

Falmouth, Mass.

In ordering goods please add "I saw
it in HORTICULTURE."

THE REAL BLACK ROSE.



"Raised in Georgia."

"FLOWERS BY TELEGRAPH."Leading Retail Florists Listed by
Towns for Ready Reference.Albany N. Y.—H. G. Eyres, 11 N. Pearl
St.Albany, N. Y.—F. A. Danker, 40 Maiden
Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boyl-
ston St.Boston—Hoffman, Florist, 59-61 Massa-
chusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14
Bromfield St.Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232
Michigan Ave.Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706
Broadway.Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.Kansas City, Mo.—Samuel Murray, 1071
Broadway.Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-
2141 Broadway.New York—Alex. McConnell, 571 Fifth
Ave.New York—Young & Nugent, 42 W. 28th
St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St.
and Madison Ave.New Orleans, La.—Chas. Eble, 121
Baronne St.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F
St.

Wellesley, Mass.—Tailby.

Shamrocks are being potted off now
for St. Patrick's Day at the establish-
ment of Leonard Cousins, Jr., Concord
Junction, Mass. Many thousands are
grown in various size pots and pans,
and advance orders already indicate a
good call for them this year.Benj. Franklin said: "He who owes
money at Easter time has a short
Lent."**BUSINESS CHANGES.**Cumberland, Md.—Fred N. Ruppert
formerly connected with John M.
Bopp has purchased Mr. Bopp's busi-
ness and taken over the same.Muskegon, Mich.—Wm. E. Pew has
retired from the firm of Pew &
Dawes and will engage in a different
line of business. Chas. B. Dawes will
continue the business in the Flatiron
building with the greenhouses at
Muskegon Heights as a source of
supply.**NEWS NOTES.**New Haven, Conn.—The Morse
Floral Co. have moved from 37
Church street to 186 Orange street.New York, N. Y.—Mengham & West-
wood, formerly at Columbus avenue,
are now settled in their new store at
Broadway and Eighty-fifth street.**THE BEST LETTERS**FOR
FLORISTS'
USE
R
THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply
dealer. Insist on having the**BOSTON**Inscriptions, Emblems, etc., Always
in Stock**ROBERT J. DYSART**

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted

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The Choicest Novelty in Yellow
\$2.50 per Bunch.

CARNATIONS

Fancy \$2.50 per 100 in lots of 500 and over.
Our selection of colors. No better
stock coming to this market.

Business hours: 7. A. M. to 8 P. M.

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Retail Florists****IF YOU**

want to find a market for your
product

want a regular or special supply
of the product of the best
growers

Consult the Advertisements on
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The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

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and WHITE TULIPS**

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1619-1621 Ranstead St., Philadelphia

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EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

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51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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WHOLESALE****CUT FLOWERS**

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004

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Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A complete line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO Feb. 21	TWIN CITIES Feb. 21	PHILA. Feb. 22	BOSTON Feb. 24
ROSES				
Am. Beauty, Fancy and Special...	30.00 to 40.00	35.00 to 45.00	50.00 to 60.00	30.00 to 40.00
" Extra.....	20.00 to 25.00	30.00 to 35.00	35.00 to 40.00	20.00 to 25.00
" No. 1.....	10.00 to 20.00	10.00 to 20.00	20.00 to 25.00	10.00 to 15.00
" Lower grades.....	6.00 to 10.00	10.00 to 20.00	6.00 to 12.00	3.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.....	8.00 to 10.00	8.00 to 15.00	12.00 to 15.00	8.00 to 10.00
" " Lower grades.....	5.00 to 8.00	6.00 to 8.00	4.00 to 8.00	2.00 to 4.00
Killarney, Fan, & Sp.....	10.00 to 12.00	12.00 to 16.00	12.00 to 15.00	8.00 to 10.00
" Lower grades.....	8.00 to 10.00	8.00 to 12.00	4.00 to 8.00	8.00 to 10.00
Richmond, Fancy & Special.....	8.00 to 10.00	10.00 to 15.00	15.00 to 20.00	8.00 to 10.00
" Lower grades.....	5.00 to 8.00	6.00 to 10.00	4.00 to 8.00	2.00 to 6.00
My Maryland.....	6.00 to 10.00	6.00 to 12.00	4.00 to 12.00	2.00 to 10.00
CARNATIONS, Nov. and Fan.				
Ordinary.....	3.00 to 4.00	3.00 to 5.00	2.50 to 3.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	35.00 to 50.00	50.00 to 60.00	40.00 to 50.00
Lilies.....	12.00 to 15.00	12.50 to 15.00	8.00 to 12.50	6.00 to 8.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Violets.....	.50 to .75	.75 to 1.25	.50 to .75	20 to .50
Mignonette.....	4.00 to 6.00	4.00 to 5.00	2.00 to 4.00	1.00 to 3.00
Sweet Peas.....	.50 to 1.00	1.00 to 1.50	.50 to 1.00	.50 to .75
Roman Hy. Paper Whites.....	4.00 to 6.00	2.00 to 3.00	2.00 to 1.00 to 2.00	
Trumpet Narcis.....	3.00 to 4.00	4.00 to 5.00	2.00 to 3.00	1.00 to 3.00
Tulips.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Gardenias.....	20.00 to 30.00	30.00 to 40.00	15.00 to 35.00	15.00 to 30.00
Adiantum.....	1.00 to 1.00	1.00 to 1.25	..... to 1.50	1.00 to 1.50
Smilax.....	12.00 to 15.00	12.00 to 15.00	15.00 to 20.00	12.00 to 16.00
Asparagus Plumosus, strings (100).....	50.00 to 50.00	45.00 to 60.00	..... to 50.00	..... to 50.00
" " & Soren. (100 bchs.).....	30.00 to 40.00	25.00 to 35.00	35.00 to 50.00	..... to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000.
Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 1000. Leucothe Sprays, \$1.00 per 100;
\$7.50 per 1000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest
quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in
5 or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

Flower Market Reports

BOSTON Business in general is not bad, considering the inclement days that have come our way of late. Supplies are not as badly overstocked as at corresponding date in some previous years. The bulbous stock is the most troublesome aggressor and there is not much encouragement for the grower in the prices realized under the present congested conditions. Carnations are selling lower, violets also. Roses are holding their own very creditably. There is a large variety of other flowers in evidence in all the flower windows, outside of the staples—roses, carnations, violets and bulb stock—and they seem to strike the popular fancy. Lent is sliding along very satisfactorily to the retail trade, it appears.

CHICAGO Chicago market is weak today and the last week in February opens with more flowers than the demand calls for. When flowers are plentiful and there is no special occasion for using many, then the buyers are ready to take the good stock and the poorer quality of flowers are left. In spite of the stormy weather there are plenty of flowers and buyers are critical. All orders for Beauties can be filled now, and as the supply has increased the price has dropped one-third. With other roses, the demand seems to have increased with the supply and all kinds are selling well, with Killarney, as usual, in the lead. The bulb stock seems overdone and prices are weakening. This is especially true of tulips and daffodils. Carnations sell if the quality is good, but poor stock is unsalable. Demand is strongest for white. Violets are not very encouraging. Last week the supply was too large and this week will not bring a change. Sweet peas are another of the discouraging things and the present prices do not give the grower a living margin. Pussy willows are still serving as window attractions.

NEW ORLEANS The Mardi Gras Carnival of 1910 made a high water mark for business. The week before the advent of Lent had a whole month's business crowded into it. The opera, balls, receptions, etc., called for the most lavish use of flowers ever known in this section. Orchids and lily of the valley were the favorites with society, high grade roses, carnations, violets and single daffodils being next in demand. Fine table decorations were a feature of the week. Trade since Lent, while much slower, has kept up wonderfully. A large Jewish clientele keeps things from being sluggish even in Lent.

(Reports continued on page 313)

NEWS NOTES.

Rhinebeck, N. Y.—Robert Green has purchased property here and in a few weeks will start a violet house.

Reading, Mass.—C. F. Trevor & Co. have started a business on Federal street, under the name of the Reading Floral Co. They will grow sweet peas and other flowers for market.

Amherst, Mass.—Members of the short course in floriculture at the Agricultural College made a trip of inspection among some of the big



Luxury and Exclusiveness In Florists' Ribbons

BARGAIN OFFER—FOR THE WEEK

SPLENDID STOCK AT HALF PRICE

Guaranteed all silk and best quality. Our **Satin and Gros Grain**—"pattern 200"—is one of the most popular for design and funeral work. Made extra heavy for this special trade.

Colors in Both Widths
—Violet, purple, pink, and American Beauty.

Satin and Gros Grain
Pattern 200

234 pieces, No. 12 width—
regular price 95c—this week
47½c.

115 pieces, No. 16 width—
regular price, \$1.10—this
week
55c.



GREEN CARNATION DYE, \$1.00 per package, enough for 200 to 300 flowers.
GREEN CHIFFON, 6 in., 4c per yard.

Catalogue of Ribbons and Supplies on Request

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Feb. 22		Feb. 21		Feb. 22		Feb. 22	
ROSES								
Am. Beauty, Fan. and Sp.	15.00	to 20.00	35.00	to 40.00	40.00	to 50.00	40.00	to 50.00
" Extra	12.00	to 15.00	10.00	to 35.00	20.00	to 50.00	25.00	to 35.00
" No. 1	10.00	to 12.00	20.00	to 30.00	10.00	to 15.00	15.00	to 20.00
" Lower grades	8.00	to 10.00	10.00	to 18.00	6.00	to 8.00	6.00	to 10.00
Bride, 'Maid, Chateaux, F. & S.	8.00	to 12.00	8.00	to 12.00	10.00	to 12.50	8.00	to 12.00
" Low. gr.	4.00	to 6.00	4.00	to 8.00	6.00	to 8.00	4.00	to 5.00
Killarney, Fan. & Sp.	8.00	to 12.00	8.00	to 12.00	10.00	to 12.50	8.00	to 15.00
" Lower grades	4.00	to 6.00	4.00	to 8.00	6.00	to 8.00	4.00	to 6.00
Richmond, Fancy & Special	8.00	to 12.00	8.00	to 12.00	10.00	to 12.00	8.00	to 15.00
" Lower grades	4.00	to 6.00	6.00	to 8.00	5.00	to 8.00	4.00	to 6.00
My Maryland	4.00	to 12.00	6.00	to 12.00	6.00	to 12.00	6.00	to 10.00
CARNATIONS, Novelties and Fancy								
" Ordinary	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	2.50	to 3.00
" Ordinary	2.00	to 3.00	2.00	to 3.00	2.00	to 2.50	1.00	to 2.00
MISCELLANEOUS								
Cattleyas	50.00	to 60.00	50.00	to 60.00	40.00	to 50.00	50.00	to 60.00
Lilies	12.00	to 15.00	12.50	to 15.00	12.00	to 15.00	12.00	to 15.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets	.25	to .50	.50	to 1.00	.50	to .75	.50	to 1.00
Mignonette	.....	.....	8.00	to 10.00	3.00	to 5.00	2.00	to 4.00
Sweet Peas	.50	to 1.00	.50	to 1.00	.50	to 1.00	.50	to 1.50
Roman Hy. Paper Whites	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Trumpet Narciss.	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Tulips	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Gardenias	25.00	to 30.00	.....	.....	.....	.....	.....	.....
Adiantum	1.00	to 1.50	.75	to 1.00	.50	to 1.50	1.00	to 1.50
Smilax	12.50	to 15.00	15.00	to 18.00	12.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	35.00	to 50.00	35.00	to 50.00	40.00	to 50.00	35.00	to 50.00
" " & Sprng. (100 bchs.)	.....	to 25.00	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00

commercial flower-growing establishments of the state on Feb. 18 and 19. Among the places visited were those of Wm. Nicholson, S. J. Goddard,

Peter Fisher, Wm. Sim and Thomas Roland, as well as the wholesale markets and prominent retail stores of Boston.

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A Full Line of All CUT FLOWERS

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Choice Cut Flowers,

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Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
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Tel. 1462 Madison Square New York

B. S. SLINN, JR.
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Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

Greater New York
Florists' Association,
Inc.Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
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Telephone No. 758
Madison Square New York**MILLANG BROS.**

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Phones 3860 Madison Sq. NEW YORK

WILLIAM F. KASTING CO.

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383-387 Ellicott Street

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122 West 25th St., New York

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We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR**
LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

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CARDENIAS, DAISIES, ROSES AND CARNATIONS ON HAND

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55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
till 10 a. m.

Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

CUT FLOWERS

Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Feb. 19 1910		First Half of Week beginning Feb. 21 1910	
American Beauty, Fancy and Special.....	25.00	to 50.00	25.00	to 40.00
" " Extra.....	15.00	to 20.00	15.00	to 20.00
" " No. 1.....	8.00	to 12.00	8.00	to 12.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Killarney, Fancy and Special.....	6.00	to 10.00	4.00	to 10.00
" " Lower Grades.....	1.00	to 5.00	1.00	to 3.00
Richmond, Fancy and Special.....	4.00	to 10.00	4.00	to 10.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Fly Maryland.....	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy and Novelties.....	1.50	to 3.00	1.50	to 3.00
" " Ordinary.....	.75	to 1.00	.75	to 1.00

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET**

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Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.Tel. 1519
5893 Mad. Sq. 113 W. 28 St., New York.**WILLIAM H. KUEBLER**

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WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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Tel. 4591 Main

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NOVELTIESManufacturer and Patente of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



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WHOLESALE COMMISSION FLORISTS

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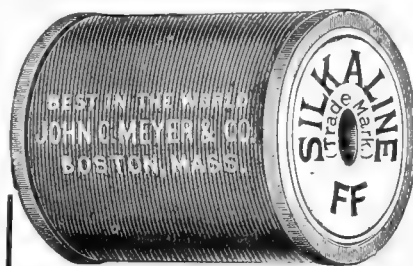
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Now ready in limited quantity.

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EVERGREEN, ALABAMA.



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NEW YORK

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PERS OF CUT
FLOWERS.

CONSIGNMENTS SOLICITED.

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Manufactured by

W. J. COWEE, BERLIN, N. Y.

50,000...\$1.75; 50,000...\$7.50. Sample free.
For sale by dealers

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Are invited to call or write. I can dispose of your flowers for the entire season at top prices and guarantee prompt returns.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports.

(Continued from page 311)

Growers and whole-
NEW YORK salers are justified in
feeling discontented
with the present market situation here. On the other hand, the street hawkers and proprietors of corner stands are in high feather over the stagnation in the cut flower trade caused by the combination of over-production and light demand. The loss of the out-of-town call which formerly helped out the congestion in this market is severely felt at such a time as this. It seems impossible to drum up any country trade which is disposed to take chances at the low rates on large quantities and help unload the local burden. The street dealers and others who cater to the cheaper class of buyers are the only resort under the circumstances, and as to values—"they don't do a thing to them." Lilies, roses, carnations, violets and all the "bulbous" flowers are alike congested this week. Weather variations help out temporarily on some days, but the average is a dull and overloaded market in all the wholesale districts.

7,000 street car
PHILADELPHIA. men on strike,
and all urban
transportation tied up, is what faces Philadelphia this week. As a natural consequence there is "rough house" all over the city and the timid stay at home. No transient trade is being done and shipments are piling up all along the line. The florists' trade suffers as well as every other trade. There seems to be no limit to the long suffering of the American public. There is no such thing as "compulsory arbitration" in this land of the free. Last week trade was rather sluggish, and the looked-for improvement after the first week of Lent did not materialize. The weather was too cold for the street men, for one thing. The other reasons are too obscure to be easily diagnosed. A comparison with

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb 19 1910	First Half of Week beginning Feb. 21 1910
Cattleyas.....	35.00 to 40.00	35.00 to 40.00
Lilies.....	4.00 to 8.00	4.00 to 6.00
Lily of the Valley.....	1.00 to 3.00	1.00 to 2.00
Narcis. Paper White.....	1.00 to 2.00	1.00 to 2.00
Trumpet Narcis.....	1.00 to 2.00	1.00 to 2.00
Tulips.....	1.00 to 3.00	1.00 to 3.00
Violets.....	.15 to .40	.15 to .40
Mignonette.....	1.00 to 4.00	1.00 to 4.00
Sweet Peas (per 100 bchs).....	5.00 to 8.00	5.00 to 8.00
Gardenias.....	5.00 to 31.00	5.00 to 25.00
Adiantum.....	1.00 to 1.25	1.00 to 1.25
Smilax.....	10.00 to 15.00	10.00 to 15.00
Asparagus Plumosus, strings.....	25.00 to 35.00	25.00 to 35.00
& Sprea. (100 bchs).....	25.00 to 35.00	25.00 to 35.00

the same week in 1909 shows a large falling off for 1910; but it was not Lent yet in 1909. American Beauty roses are no more plentiful and they are about the only things holding their own as to prices. Roses generally are more than the market can absorb with the exception of white. There seems to be room for another good white rose or two yet. White Killarney has its off spells notwithstanding all its good qualities. Bride does not pick up any. Kaiserin, of course, is only good for summer. Frau Karl bruises, and is out of the question commercially. So it would seem that there is still a field for our Cooks and Hills and Dicksons. We have enough of pink roses for the present. Carnations are plentiful, and the chances are that they will be even more so for some time to come. Violets are selling very well—especially first quality doubles. Orchids are in good demand—white varieties and cattleyas being the best sellers. Cyripediums hang fire, and have dropped in price. Gardenias are coming along nicely; but prices rule much lower than at this time last year, mainly on account of increased production. The mignonette and sweet pea market is in fairly good shape; but other minor items such as freesia, myosotis, candytuft and bulbous stock, is very unsatisfactory. Greens are scarce—good plumosus especially.

INCORPORATED.

Medford, Ore.—The Rogue Valley Nursery Co., capital stock \$20,000.

Grand Junction, Colo.—Grand Junction Seed Co.; Whit Roszelle, H. M. Cannon and L. M. White incorporators. Capital stock \$10,000.

Houston, Tex.—The La Porte Orchard Co., capital stock \$1,000. Incorporators, Daniel and J. H. Powell and W. A. Pitrat of Kansas City, Mo.

Grand Rapids, Mich.—The Michigan Sphagnum Co., capital \$3,000 preferred; \$7,500 subscribed stock. Albert Myers, Coopersville, Clifford R. Unrich and Edward A. Bending of Grand Rapids.

Trenton, Mo.—Trenton Floral Co., capital stock \$3,000. L. A. Warden, president; H. N. Longfellow, secretary and treasurer. L. Derocher will continue as manager. Work on the new greenhouse has been started.

Springfield, Mass.—Frank J. Yetter, the Main Street florist, has secured a patent on a device for holding flowers in boxes and preventing their being bruised in shipment.

SOUTHERN WILD SMILAX
Fully Guaranteed.

LOUISVILLE FLORAL CO.
Louisville, Ala.

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R. J. Dysart, 28 State St., Boston.
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AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, 5000 strong field stock, 18 to 24 live tops, also 50,000 privet, 20 to 30, 18 to 24 and 15 to 18 in. Write Benj. Connell, Merchantville, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

Asparagus Sprengeri, 2½ inch. We offer a fine lot of this very profitable asparagus, just right for growing on or filling fern dishes, etc. \$3.00 per 100. Will pay for themselves many times over in short time. S. S. Pennock-Meehan Co., the wholesale florists of Philadelphia, Pa., 1608-1620 Ludlow St., Philadelphia, and 1212 New York Ave., Washington, D. C.

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

A few hundred Asparagus Sprengeri out of 2 in. pots, fine plants, 2c. each. H. J. Blanchard, Ashburnham, Mass.

Asparagus Pl. Nanus clumps, strong, \$6.00 per 100. Seeds \$2.00 per 1000. F. Mack, Orlando, Fla.

ASTER SEED

Henry F. Mitchell Co., Philadelphia, Pa.
For page see List of Advertisers.

Aster Seed. Not wonderful, but fresh, reliable seed of all the finest florists' varieties. Send for list. Lady Roosevelt \$4.00 per oz. R. E. Huntington, Painesville, O.

AUTOMATIC SPRAYING MACHINE

J. G. Mastin & Co., Chicago, Ill.
For page see List of Advertisers.

AZALEAS

A. Leuthy, Roslindale, Mass.
For page see List of Advertisers.
Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
Bamboo Sticks, Colored Green.
For page see List of Advertisers.

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2000 Bay and Box Trees in all sizes. Pyramid and Standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Edward Wallis, Atco, N. J.
For page see List of Advertisers.

BEGONIAS

Robert Craig Co., Philadelphia, Pa.
Lorraine Young Stock.
For page see List of Advertisers.

J. A. Peterson, Cincinnati, O.
Seedling "Glory of Cincinnati."
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
Tuberous Begonias.
For page see List of Advertisers.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.
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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Bermuda Lilies.

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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

French Bulbs, Horseshoe Brand.

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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

French and Dutch Bulbs.

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H. E. Fiske Seed Co., Boston, Mass.

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E. S. Miller, Wading River, N. Y.

For page see List of Advertisers.

CANNAS

Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Annbacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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The E. G. Hill Co., Richmond, Ind.
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Baur & Smith, Indianapolis, Ind.
Carnation Shasta.
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A. C. Brown, Springfield, Ill.
Carnation Sangamo.
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Wood Bros., Fishkill, N. Y.
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Edward Wallis, Atco, N. J.
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Chas. H. Totty, Madison, N. J.
Rooted Cuttings.
For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
Rooted Cuttings.
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Cottage Gardens Co., Queens, L. I., New York.
Carnations Alma Ward and Mrs. C. W. Ward.
For page see List of Advertisers.

Joseph Heacock, Wyncote, Pa.
Carnation Dorothy Gordon.

George E. Buxton, Nashua, N. H.
Bon Ami.
For page see List of Advertisers.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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Edward Wallis, Atco, N. J.
Rooted Cuttings.
For page see List of Advertisers.

Chrysanthemums, rooted cuttings. We have a fine stock of all the leading varieties, and offer same for prompt order and unsold at \$2.50 per 100; \$20.00 per 1000. Send us memorandum of what you require at once to prevent disappointment. Delivery at any time to suit your convenience. But book your order at once as some of the varieties are in short stock. S. S. Pennock-Meehan Co., the wholesale florists of Philadelphia, Pa., 1608-1620 Ludlow St., Philadelphia, and 1212 New York Ave., Washington, D. C.

2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracena Indivisa in 3½ and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Gloria, a large, early Enchantress colored mum. R. C. now ready, 25, \$1; 100, \$1.75, prepaid. Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Pompons, field clumps, 4c; the lot of 1000, \$30.00. Hugo Kind, Hammonont, N. J.

For List of Advertisers See Page 319

CLEMATIS

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

3,600 Clematis Mme. B. Veillard, at 8c. each. Parks & Schaufelberger, Peñfield, N. Y.

CONCRETE PLANT PROTECTORS

J. H. Haley, Munith, Mich.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Acto, N. J.
For page see List of Advertisers.

J. L. Moore, Northboro, Mass.
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Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yette, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias, good, strong division; all named varieties, \$1.75 per 100. C. W. Hoffman, Route 13, Dayton, Ohio.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Select Ferns.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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Evergreen Brand Fertilizer.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbier, 6417 Carnegie Ave., Cleveland, O.

Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100, 3-in. \$4.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

GLADIOLI

E. S. Miller, Wading River, N. Y.
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Arthur Cowee, Berlin, N. Y.
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Thomas J. Oberlin, Sinking Spring, Pa.
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Gladioli. Independence, the best red in the market; also Mrs. Frances Klug, Giant Pink, Augusta and Groff's hybrids, genuine stock. Write for prices. Geo. S. Woodruff, Independence, Iowa.

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

If you want good stock of Gladiolus and Dahlias at reasonable prices write Jantzen & Hoebel, Hicksville, Long Island, N. Y.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladioli. Send for list. Kirschhoff's, Pembroke, N. Y.

Gladioli Mrs. Francis King, \$3.00 per 1000; also other choice sorts cheap. Cash. P. O. Coblenz, New Madison, Ohio.

GLASS

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,

1133 Broadway, New York.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

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Hitchings & Co., 1170 Broadway, New York.
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In writing to Advertisers kindly mention Horticulture

GREEN CANE STAKES

Wm. Elliott & Sons, New York, N. Y.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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Harlan P. Kelsey, Salem, Mass.
Send for Catalogue.

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Garden Hose.

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Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS.

Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2 1/2-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

Hydrangea arborescens grandiflora. We have the largest stock of strong, 2-year plants in America. Plants 2 to 3 ft., \$2.50 per doz.; \$15.00 per 100; \$140.00 per 1000; good plants, 15 to 20 inches, \$50.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. K. Paethrope Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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H. A. Stoothoff Co., Mt. Vernon, N. Y.
Tobacco Powder.

IRIS

E. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

Ivy, English, pot grown plants, 4 in. pots, 3 ft. long, 3 to 5 branches, \$12.00 and \$15.00 per 100. A. L. Miller, Jamaica, opp. Schenck Ave., Brooklyn, N. Y.

IVY CUTTINGS WANTED

Hinode Florists Co., Whitestone, N. Y.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.

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New Berry Plants.
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German Nurseries and Seed House,
Beatrice, Neb.

F. W. Kelsey Nursery Co., New York, N. Y.
Nursery and Florists' Products.
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Bobbink & Atkins, Rutherford, N. J.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Stuart Low & Co., Enfield, England.
Burmese Dendrobiums and Other Seasonable Orchids.
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Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

OSMUNDA FIBRE

C. W. Brownell & Co., Walden, N. Y.
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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

C. W. Brownell & Co., Walden, N. Y.
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Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PECKY CYPRESS BENCHES

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George Hollis, South Weymouth, Mass.
Seedling Peony Roots.
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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

Henry A. Dreer, Philadelphia, Pa.
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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trilises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

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POTASH

German Kali Works, Baltimore, Md.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Ronderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch, 2c.; Obconica gigantea, mixed, 2 inch, 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. Fink, Pottstown, Pa.

PRIVET

CALIFORNIA PRIVET.

500,000 3-yr. plants with 12 to 20 branches, have been transplanted once and cut back 2 yr., \$4.00 per 100; \$37.50 per 1000, packed. Will make a good, close hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr., \$3.00 per 100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched, \$2.00 per 100; \$17.50 per 1000, packed. 500 to 1000 rate. Cash with order.

John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.

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Rose "Flower of Fairfield" Ever-Blooming

Crimson Rambler.

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Schultheis Bros., Steinfurth, Germany.

Flower of Fairfield.

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Roses, own root, 2½ inch. Our list com-

prises among others the following standard commercial sorts: Pink Killarney, Richmond, Bride, Bridesmaid, Perle, Kaiserin and Ivory. We can furnish nice, clean,

healthy, well established plants, carefully grown from selected stock, at \$5.00 per 100; \$45.00 per 1000. Also Maryland at \$6.00 per 100; \$50.00 per 1000; and White Killarney at \$8.00 per 100; \$75.00 per 1000.

American Beauty \$9.00 per 100; \$80.00 per 1000. S. S. Pennock-Meehan Co., the wholesale florists of Philadelphia, Pa., 1608-1620 Ludlow St., Philadelphia, and 1212 New York Ave., Washington, D. C.

ROSES — Continued

Roses, grafted, 2½ inch; done as they ought to be done by expert workmen on genuine Dickson Manetti stocks only the most vigorous Manettis being selected, and all of the hardiest constitution. Far superior to plants grown on French and other continental Manetti stocks. We offer Pink Killarney, Richmond, Bride, White Killarney, Maryland, Bridesmaid, Perle, Kaiserin and Ivory: \$15.00 per 100; \$120.00 per 1000. S. S. Pennock-Meehan Co., the wholesale florists of Philadelphia, Pa., 1608-1620 Ludlow St., Philadelphia, and 1212 New York Ave., Washington, D. C.

The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.

Cauliflower and Cabbage Seed.

Langangstraede 20, Copenhagen, Denmark.

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Seed Potatoes, Radish, Cabbage, Onion Etc.

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Onion Seed, a fancy Ohio Yellow Globe

Danvers strain, wholesale and retail. Strawberry plants. Prices right. Edwin L.

Carle, Geneva, Ohio.

SHAMROCKS

George J. Hughes, Berlin, N. J.

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SMILAX

Louisville Floral Co., Louisville, Ala.

Southern Wild Smilax

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Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.

Green Silkline.

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SPHAGNUM MOSS

C. W. Brownell & Co., Walden, N. Y.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREA

Joseph Breck & Sons, Corp., Boston.

SPRAYERS

Chas. J. Jager Co., Boston.

Deming Spray Pump.

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New Chicago Sprayer.

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STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

SULFOCIDE

B. G. Pratt Co., New York, N. Y.

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SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.

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THYME

Thymus citriodorus aureus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild Plant Improvement Gardens, Santa Ana, Cal.

TRITOMAS

Tritoma Pfisterii, red hot poker plant, \$6.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,

White Marsh, Md.

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VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.

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Foley Mfg. Co., Chicago.

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The Advance Co., Richmond, Ind.

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VENTILATING MACHINERY. New

Model encased, self-oiling gear; Standard

Model Open Gear. Lord & Burnham, 1133

Broadway, N. Y.

VIOLETS.

B. S. Slinn, New York, N. Y.

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VIOLET THREAD

John C. Meyer & Co., Lowell, Mass.

Green Silkline.

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Southern Wild Smilax.

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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.

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Wirework. Write for our catalogue.

Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40

Broadway, Detroit, Mich.

Wirework—Compare our prices with

others. Scranton Florist Supply Co., 201

N. 7th St., Scranton, Pa.

In writing to Advertisers kindly mention Horticulture

WHOLESALE FLORISTS Boston

- N. F. McCarthy & Co., 84 Hawley St., Boston.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.
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- The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
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is the
Salt of the Earth

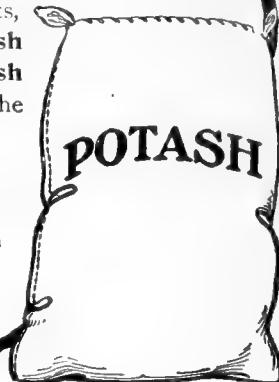
It is also the most abundant in the plant. Unless it has enough Potash in *soluble form* at the right time it cannot use the other plant food you or your soil may supply. Take no chances. Tie to facts, not to theories. Many soils need only Potash to raise big crops. All soils need Potash sooner or later. Begin to use it before the crops starve. Do it now, for

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Urge your fertilizer dealer to carry Potash salts in stock. You and he will have no difficulty in buying them if you will write to us about it.

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CARNATION AND CHRYSANTHEMUM ROOTED CUTTINGS.

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DOUBLE PETUNIAS.

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- H. V. Lawrence, Falmouth, Mass.
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- Jos. Heacock, Wyncote, Pa.
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LARGE KENTIA WANTED.

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COLD STORAGE LILY OF THE VALLEY PIPS.

- J. M. Thorburn & Co., New York, N. Y.
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SINGLE AND ANEMONE CHRYSANTHEMUMS.

- Alois Frey, Crown Point, Ind.
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NEWS NOTES.

De Soto, Mo.—A. J. Blair is endeavoring to interest capital to the amount of 5,000 to establish a nursery here, incorporated with his present nursery business as a basis.

Reedley, Calif.—A. W. Clark of Clark & Kennedy, recently purchased a half interest in the 160 acre nursery of Frank Williams. The entire 80 acres will be planted in peaches.

MR. DUNCAN GOES WEST.

J. W. Duncan, who for many years has been assistant superintendent in the Boston Park System, started this week on his long journey across the continent to Spokane, Wash., where he has been appointed superintendent of the park system inaugurated in that city some three years ago and for



J. W. DUNCAN

which extensive plans for future development are being made.

Mr. Duncan was given a farewell dinner at the Parker House, Boston, last Saturday evening, by a gathering of about fifty of his associates in the profession, largely members of the Gardeners' and Florists' Club of Boston, of which he is president. John K. M. L. Farquhar made an excellent toastmaster for the occasion and many good wishes were voiced in speech and song. Among those present were Timothy McCarthy and R. W. Greene from Rhode Island.

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HELP WANTED
Wanted, Assistant Gardener

Swede, particularly experienced in ordinary greenhouse work as well as in the culture of grapes and nectarines under glass.

Address—H. J. B., Horticulture

AN EXPERIENCED NURSERYMAN

For propagating shrubs, herbaceous and bedding plants. State references, age and wages wanted. Address
Rhode Island Nurseries, Newport, R. I.

WANTED—Foreman: Thoroughly experienced in the growing of the highest class of decorative plants, Palms, Ferns, Fuchsias, Gloxinias, etc.; also bedding plants and the propagation of Nursery stock. Permanent position to an energetic and industrious man, with advancement. Care HORTICULTURE.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED

As manager for gentlemen's place, public institution, park, cemetery, etc.; practical experience in all branches; reference, first-class. Address with particulars, C. L. care Joseph Linfoot, 1015 E. McMillan St., Cincinnati, O.

SITUATION WANTED—By a good grower and designer; retail place near Boston preferred; fair wages expected. M. M., care HORTICULTURE.

FOR SALE

FOR SALE—One 9 section Furman boiler, 22 in. grate, bought last year, practically new, price \$110.00; also 350 ft. ventilation at 11c. if taken this week; also 50 boxes 10 x 12 and 10 x 14, the first order takes the lot at \$1.25 per box, all double thick. Must be removed before the 1st. M. Tomback, Sparkill, N. Y.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

everyone interested in chrysanthemums or who has visited a chrysanthemum show in any part of the world within recent years. In fact if the Wells Pocket productions were eliminated from the exhibitions of the present day there would be a big gap. In this edition, a whole chapter is devoted to the author's visit to America in the fall of 1909 and will be found very interesting to American readers as will also the introduction, in which Mr. Wells makes further reference to his experiences in America and to the excellent work for the chrysanthemum which Mr. Totty, of Madison, N. J., and others are doing. The book covers every cultural detail necessary for a grower to know and is indispensable to anyone aiming to be up-to-date in commercial or exhibition chrysanthemum growing.

Cheshire Conn.—The new forest nursery started here is the "North-Eastern," not the "North-Western," as stated in our press dispatch of last week. The company which was organized last year has now nurseries at Cheshire and East Haven, Conn., and Westport, N. Y. Their business is the collection and sale of tree seeds and production of stock for forest planting. R. C. Hawley is manager, secretary and treasurer.

PHILADELPHIA NOTES.

There seems to be a good demand for 2½ in. Asparagus Sprengeri; and a still more eager outlook for 4 in. Some 4 in. were offered the other day and were quickly grabbed up by an enterprising grower. On being asked the reason, he said: "Don't you see? I only paid six cents for them and I can cut six cents off them in a week or two, and still have my plant. It's like finding money." By the same token 2½ in. seem to be a good proposition at three.

Favorable comment is heard on all sides for the strong stand HORTICULTURE has taken on the artificial flower nuisance and the good work along that line it has done so consistently during the past five years. Commenting on this the other day, S. S. Pennock suggested that the trade generally, growers, wholesalers and retailers, get together and try the "Chicago plan" to abate this vulgar custom which seems rather on the increase of late. The details or authenticity of the "Chicago plan," so called, we do not know at this writing, but briefly as we understand it the wholesalers got together and hired a bevy of colored ladies and had them walk the fashionable promenades wearing gaudy artificial flowers during the hours when wealth and beauty paraded. The scheme is said to have worked successfully and after that no person with any pretensions to belong to the upper ten could be induced to appear with anything but the real thing in flowers. We would be glad to hear from your Chicago correspondents how much there is in this story.

Visitors: C. M. Weaver, Ronk, Lancaster Co., Pa.; Joseph W. Edmundson, representing the Braslan Seed Growers' Co., San Jose, Cal.; W. C. Langbridge, Cambridge, N. Y.

PUBLICATION RECEIVED.

"The Culture of the Chrysanthemum."—Fourth Edition enlarged and revised. By W. Wells, Merstham, Surrey, Eng. The fact that this book has reached its fiftieth thousand speaks for its value and popularity. The author's name is familiar to

For San Jose Scale, and to Improve Health of Tree and Shrub.

BOWKER'S

Concentrated

Lime-Sulphur

Made in New England. FRESH from Factory to User.

NOW IS THE TIME TO ORDER Lime-Sulphur, which should be used while the trees are dormant. It destroys San Jose and all other Scale Insects and fungous spores wintering on the bark. It improves the health of the tree by destroying the mosses and lichens. As J. H. Hale says: "It smoothes up the trees."

All ready to use by adding cold water. No boiling, no special mixing plant required; no guesswork as to formula. Just add **cold** water, and spray.

Before spraying your orchard, post yourself about Bowker's sprays.—Write today for prices.

BOWKER INSECTICIDE COMPANY,
43 Chatham St., Boston, Mass.

Manufacturers of Bowker's PYROX for fruits and vegetables.

BY "WIRELESS" FROM CRAIG'S.

Among the specialties which are given a large place in the Easter preparations at the Philadelphia establishment, roses are among the leaders this year, hardly second to any other class of flowering plants. The advent of the Ramblers of varied hue and the ever-blooming polyanthas, known as Baby Ramblers, has given a big impulse to rose plant growing for Easter. Mr. Craig was so well pleased with the new English variety, Mrs. Cutbush, last year, that he has largely increased his stock for this season. The flowers are semi-double and light pink. Phyllis, which is also semi-double and beautiful shell-pink, he characterizes as the finest of the Baby Ramblers. Lady Gay, Dorothy Perkins, Hiawatha and other popular Ramblers are, of course, well represented in a great variety of forms, bush, standard, pyramid and trained in balloon and fan shapes. The buds are well set on all of them, but it is necessary to push them right along and permit no check.

The idea is to get the flowers to begin to open ten days before Easter and then throw air on them freely so as to get them toughened up. This is the only condition in which they will give satisfaction. "But we want sunlight," Mr. Craig says, with much earnestness. "We'll get them all right if only we have that."

Among the lilies this year is a house of Giganteums from bulbs grown in Formosa. Unfortunately, they are badly mixed. Not more than 25 per cent. are true to type, but these are very fine—the strongest, most lusty plants imaginable and great things are promised as soon as straight goods of this strain can be had. Mr. Craig, in speaking of the cultural methods being followed just at present with lilies, quotes approvingly the reply of A. N. Pierson, who, on being asked what he was doing said, "We grow them on hand-barrows, moving and carrying them continuously, first to one house and then to another." Sure enough there's lots

of work with the lily crop in a season such as this is. For drawing up the stalks on short lilies, the bulbs of which were brought in from under the snow in January and are now showing buds well advanced, Mr. Craig has tented them over with tobacco cloth supported on a lath framework, and they are stretching their necks upward in encouraging fashion.

A new ficus, known for the present as "No. 49," is being groomed for presentation in quantity to the trade in the near future. It is somewhat on the order of altissimus, but the leaves are larger and more graceful in outline than altissimus.

Independence, Mo.—Eric Frandsen has purchased a florist establishment here. He was for a number of years employed in Lincoln, Neb.

Cedar Rapids, Iowa.—H. G. Williams and family have just moved from Williamsburg to this place. Mr. Williams has charge of the branch of the Williamsburg Nursery Co.

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

**Furnishes the
Most Nicotine for the Money**

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LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

-31 Union Stock Yards

Chicago

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing; wherever you use it, the Denning "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps

Hand and power, nearly two dozen kinds designed in test by practical growers, approved by government and Experiment Station experts. Catalogue and spraying calendar free. We make pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street. BOSTON

"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallon spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

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Dept. H. A. Springfield, Mass.

Evergreen Brand Flower Fertilizer

Is fine plant food, immediately available.

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

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Write for further information

The Mastin Automatic White-wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.

The pump is of brass throughout, simple and powerful.

The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.

All parts are made to gauge, and may be had for repairs.

Just the thing for distributing liquid fertilizer in greenhouses.

Ask your dealer about our EXTENSION HOSE, EXTENSION RODS, and the MASTIN WHITE-WASH NOZZLE for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co.,

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CHICAGO, ILL.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4 1/2 inches wide, nozzle 6 1/2 inches long; 3/4 inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

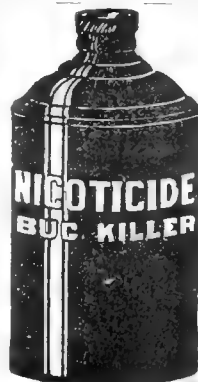
Price \$2.50 Each

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The best of all
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dusts for
Dusting or
Fumigating

25 lbs., \$1.00
50 lbs., 1.75
100 lbs., 3.00
500 lbs., 14.00
1000 lbs., 27.00
2000 lbs., 52.50

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The Best
Bug Killer and
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OWENSBORO, KY.

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WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

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A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

GREENHOUSES BUILDING OR CONTEMPLATED.

Davenport, Iowa.—Henry Pull, rebuilding.

Greensburg, Pa.—Jos. Thomas, two rose houses.

Redhook, N. Y.—Battenfeld Bros., violet house.

Waterbury, Conn.—Saxe & Floto, carnation house.

Lansdowne, Pa.—Wm. A. Leonard two houses 28 x 300 ft. each.

Dunbarton, Va.—F. J. McSweeney, R. R. D. No. 1, house, 28 x 206 ft.

Champaign, Ill.—Thomas Franks & Son, South Goodwin Ave., addition.

Montreal, Quebec.—Messrs. Hains & Hopton, chrysanthemum house and mushroom house.

Hastings, Mich.—Chase & Wilcox,

proprietors of the Hastings Greenhouse Co., one house.

Indianapolis, Ind.—The Park Board intends moving the propagating houses and adding considerable glass.

York, Nebr.—J. Lawson has purchased 10 acres here and will build one of the largest greenhouses in the state.

Lansdowne, Pa.—S. Doemling, two rose houses 21 x 200 ft. of semi-iron construction. This will complete the second range of houses on this place.

West Willington, Conn.—The new greenhouse of George Brooks is nearly completed and he is installing a hot water system. A large boiler from Holyoke has just been received.

Newport, R. I.—E. C. Knight, Jr. has purchased "Claradon Court" on Bellevue Ave. The lawn is to be extended and some of the present buildings removed to allow for the erection of a range of glass.

Beloit, Wis.—John Rindfleisch will erect a new greenhouse to cost \$6,000. It is to consist of four sections 25 x 100 ft. each, a potting room, office and boiler room will occupy a space of 20 x 100 ft. adjoining the greenhouse proper.

We have received from Mr. H. E. Bates, sales-manager of the King Construction Co., the following list of greenhouses and conservatories to be erected of King iron frame material:

Leonard Cousins, Jr., Concord Junction, Mass., 50 by 233 ft.; C. E. Holbrook, Brighton, Mass., two 31 by 225 ft.; Victor Groshens, Roslyn, Pa., 42 by 500 ft.; A. J. Boothman, Adams, Mass., three 33 by 59 ft.; Henkes Bros., Watervliet, N. Y., 50 ft. addition; Meerbott Floral Co., Secaucus, N. J., two 21 by 125 ft.; Orin S. Bacon, Canandaigua, N. Y., 21 by 33 ft.; A. C. Capparn, Canandaigua, N. Y., 50 by 190 ft.; Mrs. D. P. Rumsey, Buffalo, N. Y., (Conservatory semi-circular), radius of 11 ft.; Mrs. Annie L. Brooker, Richmond, Va., 28 by 206 ft.; Irving Dunford, North Olmstead, Ohio, two 21 by 100 ft.; J. R. Spafford, Barker, N. Y., two 21 by 100 ft.; John Reimels, Woodhaven, L. I., 28 by 100 ft.; A. L. Brewer, Berlin, Mass., 35 by 100 ft.

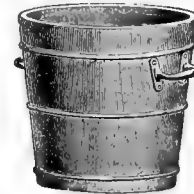
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- 949,239. Carnation Support. Harry J. Lozier, Tacoma, Wash.
949,329. Pipe Coupling. Frank C. Parlow, Detroit, Mich.
949,520. Lawn Sprinkler. George H. Choate, Hailey, Idaho.
949,535. Adjustable Plant Stand. Jacob M. Hamm, Pittsburg, Pa.

Dighton, Mass.—The cabbage and tomato plant house of John Tavis, Brooks street, was gutted by fire Feb. 15th. There was no insurance.

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Florist Specialties
KEYSTONE CEDA
PLANT TUBS



	Diam.	Fach.	Do.	100.
A 11 in.	.65	7 15	55.00	
B 12 1/4 "	.75	8.25	65.00	
C 13 1/4 "	.85	9.35	75.00	
D 14 1/4 "	1.00	11.00	90.00	
E 15 1/4 "	1.25	13.75	110.00	
F 16 1/4 "	1.50	16.50	130.00	

Three largest sizes have handles.

Special PAIL TUBS.

8 inches,	.30	3 50	28.00
11 "	.30	3 50	28.00

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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/4 "	" 5.25	120 7 "	" 4.20
1500 2 1/2 "	" 6.00	60 8 "	" 3.00
1000 3 "	" 5.00	HAND MADE	
800 3 1/2 "	" 5.80	48 9 in. pots in crate	\$3.60
500 4 "	" 4.50	48 10 "	" 4.80
456 4 1/2 "	" 5.24	24 11 "	" 3.60
320 5 "	" 4.51	24 12 "	" 4.80
210 5 1/2 "	" 3.78	12 14 "	" 4.80
		6 16 "	" 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hillinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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12 in. Single, 18c. Each. 8 in. Single, 14c. Each. 8 in. Double, 20c. Each.

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are still leading, and if you "ask the man who has one" you will know why.

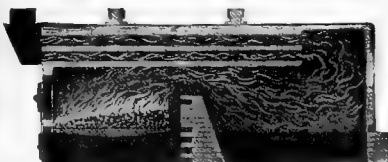
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Send for Bulletin No. 26 Describing Valley Gutter.

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HORTICULTURE

Vol. XI.

MARCH 5, 1910

No. 10



BOSTON PARK SYSTEM
The Riverway: Muddy River View

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Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
Crimson Bedder, 3 ft.	2.00	17.50
Duke of Marlborough, 4½ ft.	1.75	15.00
J. D. Eisele, 5 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00
Express, 2 to 2½ ft.	2.25	20.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00

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Gladialor, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
Premier, 2½ ft.	2.00	17.50
S. de A. Crozy	2.75	25.00

PINK SHADES

L. Patry, 4½ ft.	1.75	15.00
Louise, 5 ft.	2.00	17.50
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Florence Vaughan, 5 ft.	2.50	20.00
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

WHITE AND CREAM SHADES

Alsace, 3½ ft.	1.75	15.00
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BRONZE-LEAVED, FLOWERING CANNAS

Brandywine, 4 to 5 ft.	2.00	17.50
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Egandale, 4 ft.	1.50	14.00
King Humbert, 4 ft.	3.25	30.00
Leonard Vaughan, 4½ ft.	1.75	15.00
Musafolia, 5 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Robusta, 6 to 8 ft.	1.75	17.50
Shenandoah, 6 ft.	1.75	15.00

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Allemannia, 4 to 5 ft.	1.75	16.00
Austria, 5 ft.	1.25	12.00
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Mrs. Kate Gray, 6 ft.	1.75	15.00
Pennsylvania, 5 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

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	2 inch		3 inch		2 inch		3 inch
	100	1000	100		100	1000	100
Alyssum, Dwarf and Giant Double.....	\$2.00	\$18.50	\$3.00	Lobelia, Kathleen Mallard.....	\$2.00	\$18.50	\$3.00
Coleus, Golden Bedder and Verschaffeltii	2.00	18.50	3.00	Lemon Verbenas	2.00	18.50	3.00
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Petunias, Dree's Superb Single.....	2.00	18.50	3.00	Geraniums, Standard Varieties.....	2.00	18.50	3.00
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Healthy specimen, well-bloomed for Easter, not less than five to six feet diameter.

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Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

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KILLARNEY. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.
MY MARYLAND. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$50.00 per 1000.
RICHMOND, KAISERIN, BRIDES and 'MAIDS. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

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The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.

Price for first rate plants with 3 to 6 shoots, open ground grown, \$11 per 100, \$100 per 1000. Extra strong plants, from 5 and more branches at \$15 per 100. Package free, cash with order only. Safe arrival warranted. Best shipping occasions.

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in large variety—some rare specimens

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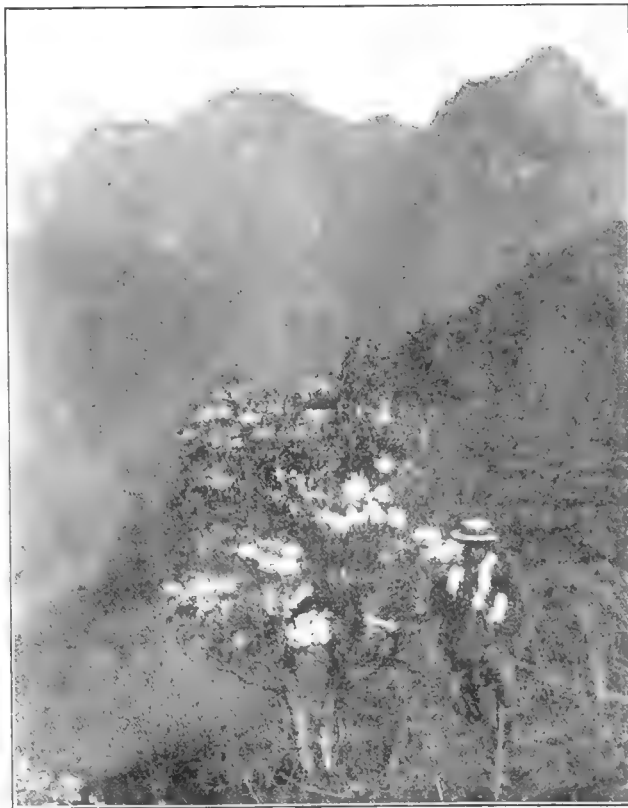
DAHLIAS Every Day in the Year

Plant Novelties From China

Rhododendrons form a class by themselves and are universal garden favorites. The noble foliage of the majority and the handsome and brilliantly colored flowers of all place them in the front rank of ornamental shrubs. It is much to be regretted that the exigencies of our New England climate renders possible the cultivation out of doors of only a very meagre number of varieties and one wishes that somehow hardier races were obtainable.

The genus *Rhododendron* is thinly scattered throughout the northern hemispheres of both old and new worlds but finds its concentration in the Malayan Archipelago, Himalayas and the Chino-Thibetan borderland. The first-named group crosses the equator and is commonly found in the mountains of Borneo, Java, Sumatra, etc. The range of colors in this group is possibly greater than in any other and *R. jasminiflorum* and allied species have given us, thanks to Messrs. Veitch, a most remarkable race of hybrids suitable for warm greenhouse culture. The Himalayan species are all tender and unsuitable for outdoor cultivation here in New England. The Chino-Thibetan group, the richest of all, remains largely a new and untried proposition. One species, *R. racemosum*, is among the most charming and beautiful of the small flowered species, is as hard as a "nail" across the water, and there seems no reason why it should not thrive over here also. Two others, *R. intricatum* and *R. Souliei*, have stood the test the other side to the satisfaction of all concerned. These facts are encouraging and it seems highly probable that at least a few species of these *Rhododendrons* may be hardy here.

Rhododendron is the largest genus recorded from



2 RHODODENDRON MACULIFERUM AT HOME
Altitude 7500 ft.



RHODODENDRON INTRICATUM
As cultivated by Messrs. Veitch

China, no fewer than 150 species being known and many new species yet remain undescribed. The writer himself has collected over eighty different species and introduced to Messrs. Veitch and the Arnold Arboretum some fifty odd species.

In China *Rhododendrons* commence at sea-level. In stony places and the pine woods of certain regions *R. (Azalea) sinense* abounds and with its large golden-yellow flowers makes a wonderfully fine show in June. *R. indicum* and its forms extend from sea-level up to 4500 feet altitude clothing miles and miles of the hill-sides; so abundant and floriferous is this plant that when in flower (May) the hill-sides are nothing but masses of flaming scarlet! At its altitudinal limit this plant is practically deciduous and there is reason to believe that this form will be as hardy here as *R. Kaempferi*, its near relative. In the woods, from 4000 feet upwards, several broad-leaved species occur but the genus does not get really rich in species until 8000 feet is reached. From this altitude they abound and extend to the limits of ligneous vegetation (15,000 feet circa). In the coniferous forests, from 9000 to 12,000 feet, they form usually the only undergrowth and with their gnarled stems form an absolutely impenetrable jungle. No wild animal appears to eat or destroy them, indeed, the Thibetans declare they are poisonous, and the wood though hard is little used even for fuel consequently these *Rhododendron* thickets remain unmolested by man or beast. There is nothing in the nature of ling or heather (*Calluna*, *Erica*) in these regions, their place being taken on the moorlands by dwarf-growing, tiny-leaved species of *Rhododendron*.

These *Rhododendrons* vary in size from trees 30 to 40 feet tall (*R. calophyton*) to tiny shrubs only 6 to 8

inches high (*R. nigropunctatum*). In color they range from pure white, clear yellow, pink and purple to scarlet and the deepest and richest shades of crimson. Rhododendrons grow gregariously and nearly every species has its own well-defined altitudinal zone. This, combined with their differently colored flowers, gives a bizarre appearance to the forests and mountain-sides when they are in bloom. Belts of white, pink, scarlet, etc., alternating one with another. June is the month when nearly all the species are in flower and it is impossible to exaggerate their beauty.—No finer sight can be imagined than miles and miles of woodland, forest and moorland covered with Rhododendron bushes in full flower. In the wild and little known regions of the Chino-Thibetan borderland, and more especially the neighborhood of Tachien-lu, the traveler for days together wends his way through forest and moorland ablaze with Rhododendron flowers.

A broad-leaved Rhododendron with trusses of large flowers having the yellow and gold color of the deciduous "mollis" and "sinense" forms has been the dream of all Rhododendron hybridizers and in spite of every effort it remains still a dream. Though many of the new Chinese species have yellow flowers it is doubtful if they will yield the long looked for "blood." The species have small or medium-sized flowers and it is uncertain if they will cross satisfactorily with the large flowered kinds. But there is a great possibility of an entirely new race with small but persistent evergreen leaves being raised from these new introductions. *R. flavidum* and *R. primulinum* both have these yellow flowers in size similar to the old *R. amoenum*. These two species are denizens of the uplands around Tachien-lu, between 10,000 and 12,000 feet altitude, where they form bushes 3 to 6 feet tall with small, ovate leaves about an inch long.

As before mentioned these Chinese Rhododendrons are as yet an unknown quantity over here and experience is necessary before much can be said of their merits as garden plants. On the other side two species, *R. intricatum* and *R. Souliei*, have been exhibited and have received first-class certificates of merit. The first-named is one of the moorland species, grows 2 to 3 feet tall with small, ovoid leaves an inch long and lavender-pink flowers about 1/2-inch across. It is a very floriferous and beautiful little species.

R. Souliei is a woodland species 3 to 6 feet tall with rounded, ovate leaves 4 to 5 inches long, glaucous when young, and large trusses of rose-pink, rather flattish flowers, 2 1/2 inches across. It is compact and bushy in habit and the color of its flowers is most pleasing.

S. W. Wilson.

A misplaced line in Mr. Wilson's contribution last week, near the top of first column on page 294, in the note referring to *Cotoneaster rugosa*, requires correction. The note should read as follows:

Cotoneaster rugosa and its variety *Henryi* are both very ornamental shrubs 6 to 15 ft. tall, free-growing with arching, semi-pendulous branches and flat corymbs of pure white flowers, followed in autumn by bunches of bright coral-red fruits. The leaves are ovate-lanceolate, about 2 1/2 to 3 inches long, wrinkled, shining green above and covered on the underside with a heavy white felt.—Ed.

Commercial Orchids for the South

This order of plants has now gained a position as to be indispensable to the commercial florist and the South is just waking up to the fact that a great many varieties can be grown here as well as and better than anywhere else. Some varieties cannot be successfully grown here, but the number of those that do succeed is plentiful enough and the small expense attached to their cultivation promises a rich harvest to those who embark in the business. That there is a ready local market for the flowers is demonstrated by the calls for them from the flower buying public. Some growers are alive to this fact and are making a move, but there is lots of room for more of them to follow and the market is sure. Probably the most popular genus is the *Cattleya*, and many of this species do better here than in the North. So little fire heat is required in the winter that a *Cattleya* will strengthen and increase for a great number of years, and the flowers especially in the late fall and winter will last longer. The moss that abounds on the oak and cypress trees, after it is thoroughly cured, makes an excellent potting material, and can be had for the picking. Some live sphagnum and charcoal lumps should be added. The pots must be well filled with broken crocks for drainage and the potting material firmly packed around the plant, which should be just raised a little above the rim of the pot. The main things to watch out for are the growing and resting periods. While growing, the plants require lots of water, but as soon as growth is completed they require a rest, when water is withheld and the plant is kept almost dry at the roots, but a moist atmosphere maintained in the house. A lath shed is an ideal place for them during the summer months, and they need not be brought into the house until the end of October or beginning of November. It is needless to say they require plenty of ventilation, which it is always possible to give them here, and even during the shortest days a light shade is necessary for most varieties. A night temperature between 50 and 60 degrees will suit them admirably. It is impossible in a general article like this to give a detailed cultural account of each species. The purpose of this article is more to stimulate the growing than to give cultural directions therefor. The following is a partial list of those species which do exceptionally well in the South and are of easy culture: *Cattleya Bowringiana*, small but early fall flowering and of a striking color; *C. labiata*—*C. Percivilliana*—not a particularly fine orchid, but a sure one for Christmas; *C. Trianae*, the best mid-winter sort; *C. Schroederae*, flowers after above; *C. Skinneri*, *C. Mendelii* and *C. Mossiac*; these follow in succession and will give flowers till the end of May.

Oncidium varicosum, *O. v. Rogersii*; these are lively flowers and good keepers. *O. splendidum*; this is a beautiful variety with spikes 2 to 3 feet long and an easy doer. *Laelia anceps*; this does best on a

block, especially if the plants are small or medium sized. The flower is fine but rather soft. *Odontoglossum grande*, the baby orchid, easy to grow. These are all natives of this continent found from Mexico to Brazil and are eminently suited for culture here. The two varieties next mentioned, *Dendrobium formosum* and *C. Wardianum*, while stove orchids, are easily grown in the South. They make their growth in the summer and when completed will do well in an ordinary greenhouse temperature.

A sight never to be forgotten by the writer, was a ground bed 40 x 75 feet, the top of which contained about 2 inches of sphagnum and charcoal dust, planted thickly with *Cattleya Bowringiana* by a New Orleans grower. The effect when the plants were in bloom was simply dazzling. I have not mentioned any of the *Cypripediums* as they are rather an uncertain quantity here at best. The variety *Spicerianum* is probably the surest one of the lot to give satisfaction in this section.

Robert Lockhart

Louisiana.

Bauera

This small genus of evergreen greenhouse shrubs, deserves to be better known by the trade. They make excellent spring flowering plants; in fact, flowers may be seen on them the whole year round. They deserve a place along side the *Boronia*, which has been largely grown of late by florists for spring use. *Bauera rubioides* would be an excellent exhibition plant. The cultural treatment given to *Boronias* suits these plants admirably. Select cuttings of half-ripened wood, and insert in silver sand, in a temperature from fifty to sixty degrees. They root more quickly if kept in a tight case, and when this is accomplished they may be potted singly in small pots, in equal parts of peat and loam, adding about a fifth of sharp sand and a little finely broken charcoal. I think it is a good plan to sift the whole compost rather fine, as hard-wooded plants do not like to have an air space about the roots; also pot them firmly, having the pots well drained.

As they are shifted along into larger pots, pinching must be attended to, keeping the plants evenly balanced by cutting the stronger shoots, allowing the weaker ones to grow out until they attain more vigor before stopping them. From June until September, they may be placed outdoors, plunging the pots in a bed of ashes. A cool greenhouse with a temperature from forty-five to fifty during the night, is the best place to winter them in. *Bauera humilis* has red flowers. *Bauera rubioides* has flowers pale red or pink. It grows twice as large as the former and the flower is also larger; this variety is also known as *B. rubiæfolia*. Both are from New South Wales.

George F. Stewart

West Medford, Mass.

Standard Lilacs



Lilacs have always been and always will be regarded as one of the most beautiful classes of flowering shrubs, and as improved new varieties continue to be added to the already extensive list they will grow in public estimation. It may not be necessary in this case, as with some flowers, to solve new sorts to retain admiration for them but anyone who has seen the wonderful collection in the Arnold Arboretum or in the Rochester Public Parks realizes that the newer varieties are greatly in advance of older ones and to many who have limited space it is important that the best be selected.

It is not often that one sees lilacs grown in any other way than as bushes but it is possible, as the accompanying picture illustrates, to grow them very successfully as standards, and for many positions in the garden where specimen shrubs are desirable they can be used with equal if not more pleasing results than standard *Roses*. Whether grafted plants or those on their own roots are employed, and of course, the later are to be preferred, it is easy to make standard plants of them by pinching out the lower buds till the desired height is reached and then by careful pruning very fine round headed specimens may be formed. It is advisable to have a clear stem of fully four feet.

Arthur E. Thatcher

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A question of weather

The Easter plant grower has been put to the test this season as never before. He was, in a measure, prepared for a strenuous struggle, owing to the early date of the celebration, but he could not foresee the additional handicap which the weather man had in store for him. Take it all through it has been a hard winter and the lack of sunlight during February has been an especially perplexing factor in the plant growers' task. A large grower remarked the other day, "If we only get some sunlight and the coal mines hold out I'll get

my stuff in, all right." Fortunately, the weather conditions and prospects at the present moment are propitious and in the three weeks remaining wonders can be accomplished if only Old Sol will do his part to average up for his shortcomings of the past month.

Adulteration again

Another bulletin under date of Feb. 16th has been issued by the Department at Washington giving results of analyses of samples of alfalfa, red clover, orchard and Kentucky—bought in open market. The word adulteration, which of course implies intentional mixing by the seed trade, is put in first place as usual, showing that the unjust and seemingly vindictive animus of the Department against the seed trade has in no wise abated. If the Department would cut out the word "adulteration" we believe that they would find the seed trade of the country instantly in sympathy with them—as, almost to a man, they are and always have been striving to educate the public up to buying and paying for higher quality.

The Federal Inspection Bill

In our issue week before last we advised our readers that we had received a telegram informing us that the Simons Bill H. R. 15656 had been withdrawn. We now find that our correspondent was mistaken. We have seen a letter from Representative Chas. F. Scott, Chairman of Committee on Agriculture, who states that bill has not been withdrawn but is still pending before that Committee. The Simons Bill, as many of our readers know, calls for dock inspection at port of entry, for all imported nursery stock, etc. It is quite impractical and impossible of execution. No nurseryman or importer would care to import a single case under its provisions. The Department could not possibly inspect one-tenth of the cases arriving. Those that were inspected could not be repacked in the same cases and the contents would be practically worthless when released. We hope that every reader of HORTICULTURE will use his influence toward the killing of the Simons Bill and the substitution of the Bill endorsed by the American Association of Nurserymen.

Southern possibilities

A Georgia daily calls attention to the fact that the southern growers of tender plants are not realizing as they should the great business possibilities within their reach through the use of modern greenhouses for the forcing of cucumbers, tomatoes, lettuce and other fresh material for which there is at all times an eager and remunerative demand all over the country throughout the inclement season of the year. The south certainly has great advantages in this direction, and we can imagine the revolution which will surely come as soon as the southern growers awake to the possibilities within their reach. The revolution will come, however, not in disaster or discomfiture to northern growers who have already invested large fortunes in glass-forcing houses, but in an immeasurably increased consumption of hothouse products by the people in every part of the country. Business methods followed up on a broad scale, the use of labor-saving devices and other expense-reducing expedients will cut down the cost of production and eventually place fresh and health-giving foods of greenhouse production within the reach of all. Hotbeds have their sphere of usefulness, we all know, but in competition with properly constructed and heated glass houses they are of little account. Southern growers are only beginning to perceive the tempting opportunities that are open to them.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Acacias.

These form a group of handsome free-flowering shrubs that are desirable for decorative work in spring and early summer. Of the several species of acacias grown, one most in evidence at Easter is *Acacia armata*. Those intended for Easter should be in a house where the temperature does not exceed 50 degrees and allowed to come along in their own natural way. They do not take kindly to forcing. After the flowers appear be sure not to syringe.

Cuttings may be struck at any time from now until June in sand. When rooted they should be potted into smallest size pots and, after they get established, gradually exposed to the full sun and air of a cool house. The young plants should be shifted on as they fill their pots and pinched back from time to time in order to have shapely specimens. As the plants go out of flower they should be cut back to within six inches of where they were cut back last year.

Cannas.

These may be started from now on; clumps of cannas can be divided and cut up into as many pieces as there are eyes. After dividing they can be placed on a bench where about one inch of sphagnum has been spread and where there is some bottom heat to accelerate root action. The tubers can be covered lightly with some sphagnum. They will soon start and when they have made a few inches of leaf growth they should be lifted and potted into 4-inch or 5-inch pots, or any size you intend to grow or sell them in. If short for bench room, they can be put in boxes or flats in about three inches of sand and placed on the pipes under the bench where they will soon start. Don't water too much or too often; care is necessary in this respect until new growth is well under way. They can also be started in a hot-bed.

Chrysanthemums.

Chrysanthemums for general stock can be propagated at any time during March and up to June, but for the production of high grade flowers and plants they should be propagated early, especially in the case of dwarf, slow-growing varieties. Only the best cuttings should be selected. Long and lanky growth should be discarded and only stout, straight cuttings, coming direct from the root of the clump should be taken. A temperature of from 45 to 50 degrees is about right to root in. When the cuttings have made roots half an inch long, pot them off. They are permanently weakened by being left too long in the sand. Be sure to use good soil so that the young plants will move right along. When well established they should be placed in a cool house and afforded plenty of light and air.

Easter Preparations.

Narcissi and tulips which are in flats can be placed in pans now. Select the short and stocky ones and do it just before the flowers open. Treat hyacinths the same way. If you have any pansies and double daisies that are coming into flower you can make up some pans or baskets of them and they will be sure to catch the eye of many a customer. Some callas, cycla-

mens, begonias, Brompton stocks, geraniums, mignonette, primulas and many others can now be worked up for Easter trade. The most shapely plants and those that are sure to be in bloom at that time should be set apart from the general stock and given a little extra care. Many buyers prefer these simple things to more showy plants. Such flowering shrubs as lilac, genistas, *Viburnum plicatum*, *Deutzia gracilis* and *Lemoinei*, acacias, azaleas, and double-flowering cherries, plums, and peaches should now be showing flower and would be better to be opened in a cooler house for the gradual hardening off of such stock. All flowering Easter stock will now be pot-bound and will need copious watering to keep them in good form, especially hydrangeas, spiraeas and Rambler roses.

Geraniums.

Now is a good time to select some 3-inch geraniums that have been stopped some weeks ago and have shown three or four breaks, and shift them into 5-inch pots. These are not intended for bedding plants, but for the demand that comes on Memorial Day, when such geraniums bring almost double the price of the regular bedding grade. A fairly rich soil should be used in potting and this should be made as firm as possible. The production of first-class plants calls for the allowance of sufficient room between the plants, and the lightest bench with ample moisture for the roots. The bedding plants can be shifted into the regular selling size—the 4-inch pot—after Easter. There will be more spare moments and much more available bench space after that date.

Solaniums.

This is a good time to sow seeds of Christmas peppers and Jerusalem cherries. The former can easily be grown into well-fruited bushes in 5 or 6-inch pots by next Christmas. More effective, however, are finely grown plants of the Jerusalem cherry, which to grow into a nicely berried specimen requires the culture of two summers. Seeds of both should be sown now in flats and by pricking off into other boxes, potting, and later planting out in good soil, you will have good-sized plants that can be potted up the first week in September.

Tubercous-Rooted Begonias.

Plants from seed sown early in January will soon be ready to go into small pots. Use a compost of good soil and leaf mould in equal quantities and one-third sand. If seedlings can be given a warm place for the first three months little trouble will be experienced. CORMS started by the middle of March will grow into salable, blooming plants by June. Use 3-inch flats. Put on the bottom of these boxes some moss, and make a light sandy porous mixture to fill the flats within one inch of the top. Plant the bulbs half their depth in it and then spread some moss over the bulbs. They can be set a few inches apart. When they have three or four leaves, they can be potted into 4-inch pots. As the weather gets hotter they will need a light shading.

Fancy-Leaved Caladiums.

Some of these caladiums should now be potted. Either peat or loam will an-

swer for them, and enriched with some old decomposed manure, leaf-mold, and sharp sand forms a good compost. Let it be as rough as possible. Add some charcoal if at hand, as the more open the soil the better. Thorough drainage must be insured, for these plants will require an abundance of water later on. Do not put the tubers too deeply in the soil, as they seldom do well when so treated. As soon as potted they should have a night temperature of from 65 to 70 degrees. When the young leaves appear, stand the plants well up to the glass. Shade is often necessary when the sun is the brightest, say for a few hours in the middle of the day. When the pots are well filled with roots, apply liquid manure once or twice a week.

Liquid Manure.

Liquid cow manure and sheep manure may be successfully used on carnations, roses, and in fact, on all growing crops. At this season of the year it can be used once a week, but care should be exercised not to make it too strong. Two ordinary pails full to a barrel of water should give the right proportions for cow manure, and about a peck of sheep manure. It should be allowed to stand for a day or two. When the sun gets higher later on and root action is more vigorous, it can be used oftener.

JOHN J. M. FARRELL.

CARNATION WISDOM.

Peter Fisher in approving of the use of a brick bottom in carnation propagating bench, states that he can hold cuttings longer after they are ready to be taken out, on brick than on wood bottom. When he used wood he puts in a couple of inches of cinders.

52 at night, 58 on cloudy days and 65 on sunny days is S. J. Goddard's rule as to temperature for growing fine carnations.

A SONG FOR MARCH.

Who sings of March must sing the mad,
Lone man at arms, the straggler clad
In motley white and brown—
Who in the wake of Winter's flight
Turns now to eager, now to light
Half Hector and half clown.
One moment from a cloud-capped hill
He blares his slogan, wild and shrill;
The next, with gusty laughter,
Outsteps the sunbeams as they dance,
And leers, and flouts with backward glance,
The maid who follows after.
O! sing the maid,
The light-heart maid,
Who follows, follows after.

He flees her down the lengthening days;
She follows him through woodland ways,
O'er hills and vales between,
And sets for mark of victory
On every bush and hedge and tree
Her flag of tender green;
And when her breath hath spiced the night
With promise of the warm delight
Of young June's love and laughter,
No other song may true hearts sing
But "Speed thy passing, March, and bring
The maid who follows after;
The light-heart maid,
The lily maid,
Who follows, follows after."

—T. A. Daly.

John Watson, who has recently been made secretary of the Jackson & Perkins Co., Newark, N. Y., has been associated with the company for several years, the last four as office manager. Mr. Watson has a very wide acquaintance among the nursery trade.

NEWS OF THE CLUBS AND SOCIETIES

CONNECTICUT HORTICULTURAL SOCIETY.

On February 25 our society held an interesting meeting at the County Building, Hartford. This was "Cineraria Night," and from the sumptuous greenhouses of James J. Goodwin, President Huss made a splendid display of natural and hybrid cinerarias in pots. These flowers, in full bloom, with their sturdy plants and great wealth of color, surrounding a central setting of the tall stellata type, with its bright, starry flowers, and embracing a few specimens of the Metador variety, made an exhibition of great beauty. Mr. Huss also showed blooms of *Cattleya Mendellii*, *Lycaste cruenta*, and *Laelia Schomburgkia superbians*. J. A. Weber also exhibited, from the greenhouses of Walter L. Goodwin, two fine plants of *Primula obconica*; and W. H. Shumway, of Berlin, brought, as a curiosity, a miniature geranium, quite floriferous, of an unidentified variety. The judges, Howard A. Pinney, T. B. Brown and John Gerard, awarded a diploma to Mr. Huss, a certificate of merit to Mr. Weber, and recommended a vote of thanks to Mr. Shumway.

A comprehensive paper by Mr. Huss on the culture of the cineraria was, at his instance, postponed to a future meeting, and in its place George F. Stewart's article in *HORTICULTURE* of February 5th, on "Cineraria hybrida," was read and discussed with interest. Mr. Stewart's method of combating green fly and white fly elicited many personal experiences by our members in growing not only cinerarias, but cyclamen and carnations. Mites give much trouble; and Mr. Pinney, Mr. Weber and Francis Roulier all spoke of the difficulty from this pest, especially in growing cyclamens. Mr. Weber recommended Nicotinic acid mixed with kerosene.

Mr. Pinney told an interesting story of the recent accident in the carnation house of John Coombs of Hartford, containing 148,000 cubic feet of space, and in which, in fumigating with hydrocyanic acid gas, 144 ounces of potassium cyanide, or approximately one ounce to 1,000 cubic feet of space, were inadvertently used on a night of heavy atmosphere, resulting in a burning of the foliage. The current newspaper report of a \$3,000 loss was, he said, exaggerated. The injured leaves were at once removed, and the beds heavily mulched with shredded cow manure, and a rapid and splendid recovery was ultimately made. Mr. Pinney strongly recommended keeping to the limit of a half-ounce of the cyanide to each 1,000 cubic feet of space.

Mr. Huss said that this fumigator is to be commended on account of its efficiency and cheapness. He has used it in his peach house. C. H. Sierman believes that it will supersede all other insecticides for indoor work. He advised great care in its use, and only in a dry atmosphere, it requiring even a dry soil, as in damp weather the cyanide is likely to settle on the plants and burn them.

Mr. Gerard and Mr. Shumway described the new lava fertilizers, or

volcanic ashes, now on the market. While not ready to unqualifiedly praise it, they thought it worthy of trial in a small way. Mr. Gerard grew tomato plants last season, by aid of it, nine feet high; while nearby plants fertilized with cow manure were not over four feet high.

Our next meeting, March 11th, will be "Carnation Night," and "Ladies' Night." An eventful gathering is anticipated.

GEORGE W. SMITH, Secretary.
Melrose, Conn.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Rose.

Public notice is hereby given that The Conard & Jones Company of West Grove, Pennsylvania, offers for registration the rose described below. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.

Flowers are large, full and double and most exquisitely formed. The petals are so firm they look like wax, softly curled, colored cream with flesh tint tips, buff yellow base and the center a heart of pink. Perfect buds. The flowers are borne on long, strong stems, just right for making bouquets. Fragrance is delightful.

Name—Wm. R. Smith. Originator—Richard Bagg, Bridgeton, N. J. Introduced by John A. Shellem and E. G. Hill Company.

H. B. DORNER, Sec'y.

February 24, 1910.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The meeting of the club will be held at Horticultural Hall, Boston, on Tuesday evening, March 22, at 8 o'clock, the halls being rented on March 15, the night of the regular meeting. The speaker of the evening will be Mr. A. E. Thatcher of the Arnold Arboretum, on the subject, "New and Desirable Hardy Herbaceous Perennials."

The club will hold its first field day of the year with the W. W. Edgar Co., Waverley, on April 19. A cordial invitation is extended to any who may not be club members to join on this outing.

W. N. CRAIG, Sec'y.

NEW YORK FLORISTS' CLUB.

The following named gentlemen have been appointed to serve on the reception committee on the occasion of the annual dinner on Thursday evening, March 17th, on which occasion the New York Florists' Club will entertain the visiting members of the American Rose Society:

P. O'Mara, chairman; F. H. Traendly, A. T. Boddington, Harry Turner, C. B. Weathered, W. A. Manda, F. L. Atkins, W. H. Siebrecht, Jr., A. S. Burns, John I. Raynor, J. Austin Shaw, E. Dailledouze, John Birnie, C. A. Small, Wm. J. Stewart, W. E. Marshall, H. O. May.

FLORISTS' CLUB OF PHILADELPHIA.

The meeting on Tuesday evening had a very large attendance, the attraction being the paper by Albert M. Herr on "Carnations." This paper brought out a very good discussion, the main contention in this discussion being that the retailer ought to know more definitely what he was buying, how long the flowers has been cut, that the flowers should be tagged, with date and growers name or number thereon. At the April meeting H. J. Faust, Merion, Pa., will read a paper on "Lilies."

The exhibition of carnations was one of the best ever seen at a club meeting, and all exhibitors were tendered the thanks of the club. The exhibits being so numerous, minute details cannot be given; they were as follows: Harvey & Son, Brandywine Summit, Pa., twelve vases of carnations; among the best were Wenonah, a fine pink, Pink Delight, May Day, Victory and Winsor, all well grown. Robert Craig Co., white seedling Norwood, a very fine and promising variety. Overbrook Gardens, Stock Princess Alexandra, and a vase of schizanthus. S. J. Reuter & Son, Westerly, R. I., Pink Delight, Sangamo, Ruby and May Day. Chas. B. Herr, Strasburg, Pa., Pink Delight, very well grown flowers. E. C. Marshall, Kennett Square, Pa., white seedling carnation, very fragrant, heavily fringed; also a vase each of Beacon and Winsor, both being very good. Millbrook Lea Greenhouses, Whitford, Pa., Carnation Georgia. Henry Eichholz, Waynesboro, Pa., Washington, a deep pink, sport from Enchantress; also Princess Charming, light pink. Wm. Swayne, Kennett Square, Pa., a seedling carnation, Enchantress x Dorothy, a heavily fringed light salmon pink of good size, excellent promise. Samuel Batchelor, Jenkintown, Pa., White Perfection, exceedingly well grown. Wm. Kleinheinz, Ogontz, Pa., Craig's new white Norwood, very well done. Joseph Heacock Co., Wyncote, Pa., Dorothy Gordon, splendid flowers which were the admiration of all present. John H. Dodds, Wyncote, Pa., gardener to Hon. John Wanamaker, carnations Harlowarden, Bay State, White Perfection, Imperial, Enchantress, Winsor and Rose Pink Enchantress, all well grown; the vase of Imperial was a surprise to all; perfect flowers with an extra long stem. Strafford Flower Farm, Strafford, Pa., well grown flowers of May Day, Pink Delight, and a vase of seedlings. Conard & Jones Co., West Grove, Pa., new blue Rambler Rose "Vielchen Blau," a decided novelty; also flowers of American Pillar Rose, and a self-watering flower box for porch and lawn.

DAVID RUST, Secretary.

ELBERON HORTICULTURAL SOCIETY.

At the meeting of this society on February 21st, the preliminary schedule for the Monmouth County Fair was read over and approved. A. Bauer will read a paper on "The Culture of Bulbs" at the first meeting in March. ALEX. FLEMING, Rec. Sec.

NATIONAL CHRYSANTHEMUM SOCIETY OF LONDON.

On February 7th the annual meeting of the above society took place at Carr's Restaurant, Strand, London, Sir A. K. Rollit, president of the society, in the chair. We learn from the report and financial statement, that good work has been done; and the one exhibition held during 1909 was a very successful one. The award for color that the society had decided to inaugurate was one that would meet with much appreciation. The financial condition of the society was very satisfactory. The report was unanimously adopted. Mr. C. Harman Payne was appointed honorary foreign correspondent, and Mr. R. A. Witty, general secretary.

The following gentlemen were elected corresponding members of the society: Messrs. C. H. Totty, U. S. A.; T. Pockett, Australia; and R. Mommeja, France.

ST. LOUIS HORTICULTURAL SOCIETY.

At a recent meeting of the Executive Board of the St. Louis Horticultural Society held at the Missouri Athletic Club, it was decided not to hold a spring flower show this year. The board though is making preparations for holding a fall flower show in the Coliseum Building on a much larger scale than last year.

CLUB AND SOCIETY NOTES.

The South Dakota State Horticultural Society has elected officers as follows: A. W. Kruger, Groch, president; A. L. Van Osdel, Yankton, vice-president; M. J. DeWolf, Letcher, treasurer; N. E. Hansen, Brookings, secretary; E. D. Cowles, Vermillion, librarian. The program at the annual meeting was very interesting, especially the numbers relating to researches into hardy fruits for the state made by Prof. Hansen of Brookings.

The New England Cemetery Association held its annual meeting Feb. 14 at the Quincy House, Boston. At this meeting the chief business was the election of the following officers: President, Edward A. Mitchell of Medford; vice-president, Wm. Carr, supt. of the Malden Cemetery; secretary and treasurer, Horace A. Derry, supt. of the Everett Cemetery. A banquet was served at the close of the meeting. It was a very enjoyable occasion and drew a large attendance.

The State Horticultural Society and the Tennessee State Nurserymen's Association, held their fifth annual meeting in Nashville, January 26-27. A resolution was passed requesting the senators and representatives in Congress from this state to oppose any legislation that would effect the agricultural press of the country. The newly elected officers are: President J. D. Ellis, Dayton; vice-president Middle Tennessee, I. C. Murphy, Columbia; vice-president West Tennessee, C. Pennington, Rutherford; vice-president, East Tennessee, J. C. Easterly, Cleveland; secretary and treasurer, C. A. Keffer, Knoxville.

MIDWINTER SHOW IN BOSTON.

On account of the omission of the regular spring exhibition from this year's schedule, the midwinter show of the Massachusetts Horticultural Society on February 25-26-27 took on much importance and drew forth a display of goodly proportions and extraordinary excellence. Plant groups were unexpectedly large and varied, and the cut-flower prizes were eagerly competed for in many classes. Mentioning the most sensational entries first, we put the large group of seedling amaryllises, shown by W. C. Ritchie, gardener for Mrs. J. Montgomery Sears, as being far ahead of anything in that line ever seen here and among the most impressive examples of fine culture shown in many years. A gold medal was awarded. A gold medal was also awarded to a superb group of orchids from Langwater Gardens, gardener W. N. Craig. This contained a record number of varieties of *Laelia anceps*, including the beautiful *Amesiana* with dark lip. There were also many rare *cypridium*s and forms of *Dendrobium nobile*.

The primroses were unprecedentedly fine, including *Kewensis*, *obconica*, *sinensis* and *stellata*. The exhibitors, among whom the prizes were well distributed in the various classes, were Mrs. F. Ayer, gard. George Page; Wm. Whitman, gard. M. Sullivan; Mrs. J. L. Gardner, gard. Wm. Thatcher; Winthrop Ames, gard. Daniel Whyte, and Weld Gardens, gard. W. C. Rust. The cyclamens, always the glory of the Boston spring shows, were unprecedentedly grand, foliage like leather, and flowers such as can be seen in no other place in this country, if abroad. Weld Gardens, E. J. Mitton, gard. J. Lawson, and J. S. Bailey, gard. W. McGillivray, were the winners in the different classes.

The decorated groups of flowering and foliage plants were comprehensive and highly creditable. A special silver medal went to Thomas Roland for display of *Erica melanthera* and first class certificate to R. & J. Farquhar & Co. for group of palms, primulas and miscellaneous spring flowering material. First prize was awarded to A. Leuthy & Co. for group covering 100 sq. ft. Mr. Leuthy's cultural skill was well displayed in acacias and other choice specialties, and his group was appropriately located directly under the balcony where a young ladies' orchestra dispensed sweet music. Mr. Roland's group was rich in anthuriums, acacias, ericas and cyclamens. Ed. MacMulkin was represented by an enormous group of palms and Easter flowering plants, *Anthurium Scherzerianum*, etc.; Mrs. J. L. Gardner by a forest of *chorizemas*, ericas, gardenias and such, and W. W. Edgar Co. by azaleas and Easter flowering material in variety. Honorable mention was won by the following exhibitors: Weld Gardens, for seedling Indian azaleas of much promise; Montrose Greenhouses, for dark pink sport of Killarney rose, a decided commercial acquisition; Weld Gardens, for *Cattleya Schroederiae alba*, four flowers on one growth; Backer & Co., for carnation Red Princess, a good one; New Hampshire College, for seedling carnations; A. C. Zvolanek, for collection of sweet peas. Nothing finer could be imagined

A Fifty Dollar Silver

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will be awarded to the grower of the best

SIX ROSES

At the 1910 exhibition in
New York of the
American Rose Society

Let all good growers of roses examine their stock and send their best six specimens.

The prize is offered by

Moore, Hentz & Nash

For specification: see the "Prize Schedule" of the American Rose Society.

than Wm. Sim's display of twelve large vases of sweet peas, twelve varieties.

In the bulbous section there was the usual large and varied display of daffodils in many classes, tulips, hyacinths, etc., in all of which Wm. Whitman and Mrs. Gardner were prominent. Some well-grown pans of *lachenalias* from Weld Gardens elicited regretful comment that more of these showy flowers are not seen at our shows.

There were many elegant orchid groups, among the exhibitors being J. T. Butterworth, who was particularly strong on *Dendrobium Wardianum*; Thos. T. Watt, with *dendrobiums* and *laelias*; Mrs. Oliver Ames, Sr., gard. Henry Cole, with a group of lavishly bloomed *lycaests*; Julius Roehrs Company, who showed a beautiful specimen of *Miltonia Bleueana*; Lager & Hurrell, with a brilliant group of *cattelyas*, *laelias*, *dendrobiums*, *phalaenopsis*, etc.

The carnation growers were out in full force and the popular market sorts of old or new introduction were well presented. Competition was close on vase of 100 mixed varieties, S. J. Goddard capturing first and Patten & Co., second prize. A. Roper, C. S. Strout, Wilfrid Wheeler, Geo. E. Buxton, Cottage Gardens, Robt. Main and others were all on hand with displays of greater or less size. The prize for 100 blooms of one variety with foliage was won by Peter Fisher with *May Day*. For 50 blooms of best new named variety not yet in commerce, Winthrop Sargent won first with *Wodenethe White*.

There were plenty of violets shown,

the list including Dobbins & Shannon first, John H. Newman & Son second, Estey Bros. third on Princess of Wales; H. F. Woods first, E. Bingham second, and H. F. Calder third, on Campbell; Calder first and second, and Woods third, on any other variety. Wm. Sim made a large display, not in competition.

Wm. Nicholson, Nicholson's Prize magnonette; W. C. Rust Freesia Chapman, bright yellow and orange, also new types of cineraria; L. E. Small, *Dimorphotheca auriantica*; Dan'l Whyte, *Begonia incarnata*; Bellevue Nurseries, hardy violet Pink Pearl; E. J. Ahern, yellow marguerites, and F. H. Houghton with miniature old-fashioned bouquets, were among the many exhibitors worthy of mention.

The prizes for baskets of cut flowers brought out quite a generous response from H. R. Comley, MacMulkin & Co., and Penn, who were awarded first, second and third respectively; S. Hoffman, who showed four large examples, and E. A. Richards.

MANCHESTER AND NORTH OF ENGLAND ORCHID SOCIETY.

Probably the mention of the plants obtaining first-class certificates of the above important society at the last meeting, will have a certain amount of interest to American orchidists. S. Gratrix of Whalley Range, Manchester, showed a cross between *Cypripedium* Lord Ossulton West Point variety and an unknown species or variety. The dorsal sepal, which is erect, has a faint red line running along the centre. The stalk carried two flowers. Mrs. S. Gratrix had a similar award for *Cypripedium* Mary Gratrix, a seedling from C. Leeannum. H. J. Bromilow of Rainhill, Liverpool, was awarded a F. C. C. for a seedling *Cypripedium* named Lord Wolmer = C. Leeannum var. *Clinkaberryannum* × C. × *Euryades*. The awards of merit and medals of gold, silver and bronze were quite freely bestowed on collections of plants, chiefly consisting of such species and varieties as *Cypripediums*, *Vanda coerulea*, *Dendrobium bellatulum*, *Cattleyas*, *Laelias*, *Odontoglossums*, etc. F. M.

A LILY TALK.

On Saturday, March 12, at 11 A. M., E. S. Miller of Wading River, Long Island, N. Y., will talk at Horticultural Hall, Boston, on Lilies, a subject on which Mr. Miller is well qualified to speak. His lecture will be illustrated with beautiful lantern slides colored by Mrs. Van Brunt and the occasion will be a rare treat for all who love lilies—and who does not love them?

Charles Bond, who has been for several years past in charge of the G. B. Wilson orchid houses at Philadelphia, has resigned, to grow orchids commercially for himself in a location near Chicago. Mr. Bond is a son of T. W. Bond, famous in England as an orchid raiser, and has held positions in France and Germany with Rothschilds. Mr. Bond's successor in Philadelphia is George Hunt, who has been employed in the orchid department of the Julius Roehrs Company, Rutherford, N. J.

Orchids—Closing Out

1	<i>Cattleya Intermedia albescens crispa</i> ,	15 bulbs, 2 leads
1	“ “ <i>alba coerulea</i> (in flower)	32 “ 4 “
1	“ “ “ <i>rosea</i>	16 “ 3 “
1	“ “ “ <i>rosea</i>	8 “ 2 “
1	“ “ “ <i>var.</i>	50 “ 11 “
1	“ “ “ “	10 “ 3 “
1	“ “ “ “	30 “ 6 “
18	Guttata var. in different types average 10 bulbs to each plant, in 4 to 9 inch pots	
12	<i>Phragmipedium Sedenii</i> ,	3 to 4 leads to each plant
6	<i>Cypr. Harrissianum</i>	3 to 4 “ “ “
1	<i>Miltonia spectabile circa</i>	30 bulbs
1	<i>Laelia elegans</i>	4 “
1	“ <i>Lindleyana</i>	8 “
12	<i>Coelogyne cristata</i> in 6 to 8 inch pans	
6	“ “ <i>alda</i> in 6 to 8 inch pans	
10	<i>Oncidium pulvinatum</i> , 4 to 6 inch pans	
10	“ <i>Rogersii</i> , 4 to 6 inch pans	
6	<i>Stanhopea</i> and one dozen assorted orchids.	

Best Cash Offer Will Take the Lot

Also, a lot of CACTI and SUCCULENTS in small and large quantities for sale at reasonable prices

F. WEINBERG

WOODSIDE, L. I.

NEW YORK

ORCHIDS IN BLOOM

ROEHRS, Rutherford, N. J.

STUART LOW & CO., late of Hugh Low & Co. dissolved, are now receiving large importations of **BURMESE DENDROBIIUMS**, such as *Wardianum*, *Crassinode*, *Fimbriatum*, *Devonianum*, *Nobile Brymerianum*, *Thyrsiflorum*, etc., and will give excellent value.

Also hold very large stock of **WARDIANUMS, CRASSINODES**, etc., to flower THIS SPRING.

Also **LAELIO-CATTLEYAS, BRASSO-CATTLEYAS, ODONTOGLOSSUMS** in spike, all for Spring and early Summer flowering.

Catalogue on Application

Royal Nurseries, Bush Hill Park, Enfield, England

ORCHIDS

Arrived in fine condition

Cattleya Warneri, *C. Harrisoniae*, *C. Gaskelliana*, *C. gigas Hardyana* type, *Dendrobium Phalaenopsis Schroederiana*, *Odontoglossum luteo-purpureum sceptrum*.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Cattleya Warneri, *C. Harrisoniae*, *C. Gaskelliana*, *C. gigas Hardyana* type, *Dendrobium Phalaenopsis Schroederiana*, *Odontoglossum luteo-purpureum sceptrum*.

CARRILLO & BALDWIN, Mamaroneck, New York.

Orchids: *Laelia Aneaps ALBA*

\$50 Per Case of 40 Plants
400 to 600 Bulbs in each case
Every Bulb with leaf—strong leads

I am receiving a limited importation of *Laelia Aneaps Alba*. Plants GUARANTEED TRUE to name, or money refunded. Place orders at once, as they are being bought rapidly. No more at this price.

E. M. DARNALT, 426 Stephen Girard Bldg. Philadelphia, Pa.

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A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

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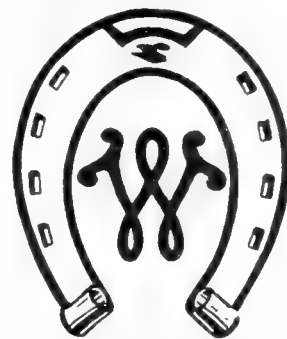
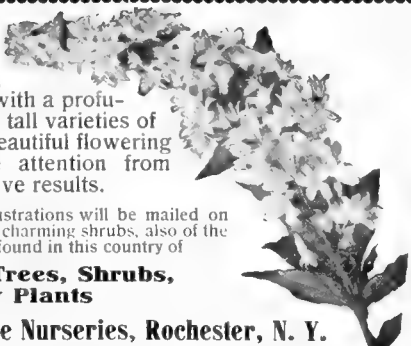
Deutzia Lemoinei

Is one of the choicest small shrubs, covered in the blossoming season with a profusion of pure white flowers. The tall varieties of Deutzia are also among the most beautiful flowering shrubs and should receive more attention from planters who aim to produce effective results.

A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

**Fruit and Ornamental Trees, Shrubs,
Roses and Hardy Plants**

ELLWANGER & BARRY, Mount Hope Nurseries, Rochester, N. Y.



"NOT HOW CHEAP—
BUT HOW GOOD"

PREPARE FOR EASTER

Headquarters for Easter Plants

WELL CROWN, RIGHT FOR EASTER

AZALEA INDICA, one of our specialties.

In large sizes we have, all covered with buds, the following: **Bernard Andrea Alba** (white), **Niobe** (double white), **Dr. Moore** (pink), **Memory de Van Houtte** (large flowering pink), **Mme. Van der Cruysen** (light pink), **Empress of India** (double variegated), **Hellena Tellman** (light pink), **De Schreveriana** (double variegated), **Apollo** (red). Price: \$1.50, \$1.75, \$2.00, \$2.50 to \$3.00 each.

In smaller sizes we have a big house full of the well-known **Mme. Van der Cruysen** (the best of all the pink), all as round as an apple and covered with buds. Price: 60c., 75c., \$1.00, \$1.25, \$1.50, \$2.00 and \$2.50.

SIMON MARDNER (double pink), **Veraneana** (double variegated), **Niobe** (double white). Price: \$1.00, \$1.25, \$1.50. **DEUTSCHE PERLE** (white), **Apollo** (red), **Empress of India** (double variegated), **De Schreveriana**. Price: 60c., 75c., \$1.00, \$1.25.

CINERARIA Hybrida Grandiflora, best strains, very fine colors. 6-inch pots, 25c., 35c., 50c., 75c. to \$1.00.

SPIREA Gladstone, full of buds, 6-7-in. pots, 50c., 75c. to \$1.00.

PRIMULA Obconica, 5-in. pots, \$2.50 per dozen.

TOURNESOL TULIPS, best double variegated, 3 bulbs planted in a 4-in. pot, \$1.50 to \$1.75 per dozen pots. **Murillo Tulips**, best double pink, 3 bulbs in a 4-in. pot, \$2.00 per dozen pots.

Hyacinths. Raised from the best bulbs of Holland production; **King of the Blues**, **Grand Maitre** (light blue), **Gertrude** (best pink), **La Grandesse** (best white). Price: \$12.00 per 100 pots.

Von Sion DAFFODILS (best double Narcissii known), 3 double-nosed bulbs planted in a 6-in. pot. Price: \$2.50 to \$3.00 per dozen pots.

HYDRANGEA Otaksa, 6-7 in. pots, 35c., 50c., 75c., \$1.00, \$1.25 to \$1.50.

FERNS for dishes, 2½-in. pots, strong \$5.00 per 100.

KENTIA Forsteriana. Imported last spring (1909) from Ghent, Belgium, in fine condition, 6-7-in. pots, 35-40-50 inches high, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00; 4-in., 20c. **Belmoreana**, 6-in., \$1.25 to \$1.50 each; 4-in., 25c.; 3-in., 10c.

EASTER LILIES. Multiflorum, 10c. per bud, about five buds to the plant; under five buds, 12c.

50 to 75 per cent of other plants must be taken in addition to lilies.

Japanese Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot, free from disease, we have had for years past. The large demand for Lilies exceeds the supply every year; we, therefore, ask that you order early. Price, plants with five buds and upwards, 10c. per bud; plants with under five buds, 12c. per bud. We can satisfy all wants if ordered soon.

Cash With Order

GODFREY ASCHMANN

Wholesale Grower and Importer of POT PLANTS

1012 W. ONTARIO ST., PHILADELPHIA, PA.

A BIG ENTERPRISE.

Dr. E. Bade, a well-known German botanist, has in connection with Frank Weinberg, of Woodside, N. Y., discovered a new process for securing about 40 per cent of rubber out of Euphorbia candelabrum. Extensive experiments by rubber world scientists has been going on in New York and Washington with the result that a new stock company among rubber concerns has been formed with a capital of \$1,000,000. Several large tracts of land—about 5,000 acres—have been given to the camp by the United States Government in the Yuma district of Arizona to start the rubber plantation. Mr. Weinberg will leave shortly for Africa and India to collect several thousand of these plants, and on his

return will go to Arizona to superintend the plantation.

ST. LOUIS NOTES.

Louis Gieger has taken a position with Grimm & Gorley in the cut-flower department.

The St. Louis Florists' Club will hold its regular monthly meeting on Thursday afternoon, March 10th. This will be one of the most important meetings of the year.

A meeting of retail florists was held at the Washington Hotel on Wednesday night, March 2nd, to protest against the sale of flowers at retail by the wholesale florists, one of whom had been accused of doing a big retail business of late, and the retailers are up in arms against the practice.

Horseshoe Brand Products

In Giganteum indicates the acme of quality. Large growers know they produce the largest percentage of cut flowers per thousand bulbs of any brand. The reason why is because they are produced by the choicest seed-bulbs in the world; are properly planted and cultivated. The actual profits indicated by your cash register when the final show-down time comes are greater from Horseshoe Brand Giganteum than from any other brand receiving the same treatment in forcing. Don't take our word for it, try them, count the cut.

Write Us.

RALPH M. WARD & CO.

12 West Broadway, - - - New York

Obituary.

Mary A. Hunt.

In the death of Mary Tolman Hunt, Feb. 26, a family of florists mourn a good wife and a devoted mother.

Mary Tolman was born in England 71 years ago last August and was married at the age of 20 years to Geo. Hunt, a florist in London. Twenty-one years ago, with their three sons, they came to this country, leaving three married daughters in London. For 20 years their home has been in Evanston, Ill., and there are few florists better known, all the sons following their father's profession. A. E. Hunt with his father comprise the firm of A. E. Hunt & Co. of Evanston, and the beautiful pink carnation, Mary Tolman, so prominently before the trade this year, was a seedling raised on this place. H. H. Hunt and F. G. Hunt, the other sons, are known as the Hunt Bros., florists of Park Ridge.

Mrs. Mary A. Hunt has been an invalid many years. At the funeral on March 1, the casket was covered with a mantle of Mary Tolman carnations.

Charles Reid Barnes.

Chicago University lost by death, Feb. 24th, Charles Reid Barnes, professor of plant physiology, one of the most eminent botanists of the world. He was stricken with apoplexy and died without regaining consciousness. Prof. Barnes was only 53 years of age and his death is a great loss to the world, as he was recognized as an authority in his line of research. He was general secretary of the American Association for the Advancement of Science in 1895-96, and vice-president in 1899. He was secretary of the Botanical Society of America from 1894-98 and president in 1903-04.

James J. H. Gregory.

James J. H. Gregory, seedsman, died at his home in Marblehead, Sunday, Feb. 20th, after an illness of but a few days. He was in the seed business for more than 50 years and retired in 1907. He started as a seedsman in 1856 and soon won a foremost place in the business, his name being especially familiar among the farmers of New England. Since his retirement in 1907 he has kept well in touch with the world, and has been especially interested in agricultural work and instruction in colleges and schools.

H. J. Parker.

H. J. Parker, ex-president of the Worcester County Horticultural Society, died Feb. 24th, of heart disease. Mr. Parker has not been in robust health for about three years but has been able to attend to business. He has always taken great interest in outdoor work, especially in the growing of plants and served as president of the Worcester County Horticultural Society from 1889 to 1896.

We claim that

APHINE

Is the most effective insecticide now on the market for the destruction of the MEALY BUG, BROWN and WHITE SCALE.

Others may claim their remedy to be "just as good"—but we claim ours to be better—and have publicly proven this beyond a doubt.

We also claim Aphine to be no less effective against Green, Black and White Fly, Red Spider and Thrips.

We are prepared to guarantee a uniform product at all times and one that will do all we claim for it.

For Green, Black and White Fly it is used at the strength of 1 part Aphine to 40 parts water.

For Red Spider, Thrips, Slugs and Ants, 1 part Aphine to 25 parts water.

For Mealy Bug, White and Brown Scale, 1 part Aphine to 15 parts water.

Price \$2.50 per gallon

Aphine is becoming universally recognized as the leading general insecticide for the greenhouse and garden.

Your spring order will not be complete if it does not include Aphine.

If your supply house does not yet handle Aphine, write us for names of our nearest selling agents.

Aphine Manufacturing Company
MADISON, NEW JERSEY

Bind Your Trees With Strokum Early This Spring

IT will keep down the caterpillars and tussock moths. Don't wait until the leaves have come out, and the crawlers are in the trees eating up the tender leaves. The way to control the pests and save your trees, is to stop them before they start.

All banding substances like cotton, burlap, fly paper or tar do not do the work. Unsightly cotton is carried off by the birds. Fly paper does not fill in between rough spaces of bark, allowing caterpillars to crawl under it and the stickiness dries up, allowing them to crawl over it; burlap they also crawl over and under. Smeared on tar preparations dry up besides disfiguring the trees for all the year.

ONE BANDING OF STROKUM LASTS FOR ENTIRE SEASON—is not unsightly. Caterpillars, tussock moths or canker worms cannot crawl under, over or through it. We guarantee it perfectly harmless to the trees. Anybody can apply it.

Send \$3.00 at once for a sample package of 15 pounds, which is enough to band fifteen trees to tree feet around. Delivered free anywhere East of the Mississippi. West of the Mississippi, 50 cents extra.

Send for our illustrated booklet.



George Stratford Oakum Co.

164 Cornelison Avenue,

JERSEY CITY, N. J.

Mrs. Wm. Leiferman.

Mrs. Wm. Leiferman, mother of Mrs. Garland, died last week at the home of her daughter in Des Plaines. This is the fourth death that we have been called upon to record in this family during the past six months. The sympathy of the trade is expressed on all sides.

Roger Dildine.

News has reached us of the death of Roger Dildine, three-year-old son of W. H. Dildine, superintendent of James Vick's Sons, Rochester, N. Y. Mr. Dildine has our heartfelt sympathy.

When You Buy Your ASTER SEED Of James Vick's Sons

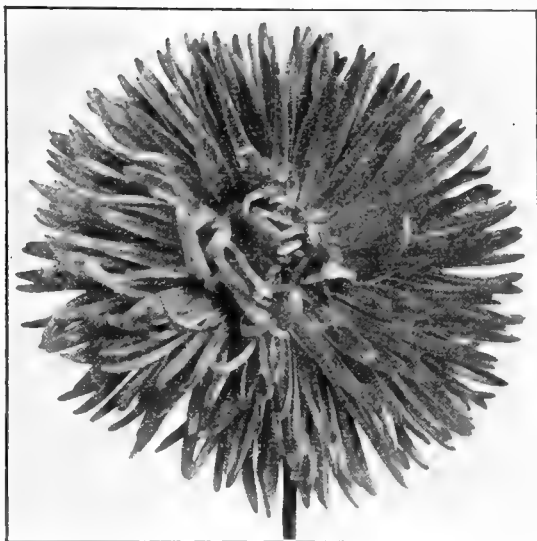
You are coming directly to Headquarters.

We believe it is beyond dispute that this concern which has introduced more new varieties than any other Seedhouse and grows each year an average of more than double that of any competitor, has done more for the development and dissemination of High Grade Asters than all other American Seedsmen.

Before You Place That ASTER SEED ORDER

Look over our "ASTER BOOK FOR FLORISTS." Just notice it doesn't give you the impression that each and every variety is exactly alike in its superiority over all other kinds, but it points out to discriminating Florists what characteristics each variety possesses under certain — not all — conditions. The problem of what to grow this summer will be made comparatively easy if you study carefully our "ASTER BOOK FOR FLORISTS." If you have mislaid your copy, or if you failed to get one, just drop us a line saying you are a Florist and we will mail a copy immediately. Don't delay. Look this matter up at once.

One of these fine days you will need those seeds, and of course you want the best seeds. Get that "ASTER BOOK FOR FLORISTS" at once and become acquainted with all the leading varieties, not only those introduced by us, but all the leading kinds from whatever sources. Attend to this matter today.



VICK'S ROSE KING (New)
Companion to Vick's Violet King
(Flower reduced to 1-3 natural size.)

Nearly every Aster grower is acquainted with Vick's Violet King. If you are not, just look over the catalogues of almost any up-to-date seedsman, or better still, purchase some seed and grow it.

VICK'S ROSE KING is similar to Vick's Violet King in every respect except color. **NOW MARK THIS:** VICK'S ROSE KING in our estimation will surpass in popular favor any other Aster Novelty offered this year either by us or by any other seedsmen anywhere. There is money in it for the growers who get it first.

Price 25 cents per packet.

See our ASTER BOOK FOR FLORISTS.

VICK'S MIKADO PINK — ROCHESTER

(Flower reduced to ½ natural size.)

The story of its new name is of more than passing interest. Members of the Rochester Chamber of Commerce, which has recently chosen the Aster as the representative flower of this city, were so pleased with the color, shape and size of Vick's Mikado Pink, that they have selected it as the official flower of Rochester, and have requested that we rename it "Rochester." Therefore, in addition to its former name it now bears the honored name of this city.

During the recent Industrial Exposition reproductions of this Aster have appeared in countless papers, programs and private advertising matter. Thousands of souvenir spoons, watch fobs, and hat pins, carrying a design of this Aster, have been sold by various concerns. The design and coloring of this beautiful flower are an important feature of the mural decorations of the Temple Theatre, just finished, which, by the richness of its appointments, in many respects, surpasses any other playhouse between New York and Chicago. It will also appear in the color schemes and figurative designs of the decorations and furnishings of the handsome new lake steamship, The Rochester.

Naturally we are proud of the various honors which have been bestowed upon this flower, especially in view of our prediction last year that it would spring into popularity surpassing that of any other variety in the last ten years.

Prices: 1-64 oz., 20 cts.; 1-32 oz., 35 cts.; 1-16 oz., 50 cts.; 1-8 oz., 85 cts.; 1-4 oz., \$1.50; 1-2 oz., \$2.75; 1 oz., \$5.00.

James Vick's Sons
Rochester, N. Y.

WINNERS

READ THEIR RECORD
Pittsburg, January 26th, 1910.

S. A. F. Silver Medal for best vase of 50 not yet disseminated — **MRS. C. W. WARD.**
S. A. F. Bronze Medal for second best vase of 50 not yet disseminated — **ALMA WARD.**
Best 100 light pink — **MRS. C. W. WARD.**
Best 100 white — **ALMA WARD.**
Special Sweepstake Prize for best vase of any color — **ALMA WARD.**

FORMER AWARDS

MRS. C. W. WARD

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of N. Y. Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of N. Y. Diploma, for best new variety, New York, 1909.

ALMA WARD

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists Silver Medal, Washington, 1908.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full centre; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.
A very early and free bloomer, producing fine flowers as early as September 1st, which bring from twenty-five to fifty per cent more than any other variety on the market.

Prices Rooted Cuttings

\$2.00 per 12, \$12.00 per 100, \$100.00 per 1000; 25 at the 100 rate, 250 at the 1000 rate.

Delivery February 20th

ALMA WARD

This beautiful Carnation is pure white except during the dark weather when it shows delicate splashings of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

Prices Rooted Cuttings

\$3.00 per 12, \$5.00 per 25, \$9.00 per 50, \$15.00 per 100, \$35.00 per 250, \$65.00 per 500, \$120.00 per 1000.

Delivery March 1st

INVITATION

We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see them growing and compare their good points with other standard varieties grown under the same conditions.

Cottage Gardens Co., Inc. Queens, Long Island, NEW YORK

ROOTED CUTTINGS CARNATIONS HEALTHY STOCK

Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

ROSES

Grafted and Own Root. Have a few thousand each. Send for List.

WOOD BROTHERS
FISHKILL, N. Y.

BEACON CARNATION CUTTINGS

We have a quantity of well-rooted cuttings from especially strong stock. THESE ARE CUTTINGS THAT ARE SURE TO PLEASE.

We are making a specialty of Rooted Cuttings and believe the way to permanent success lies in sending out on every order only the kind of stock that will lead to further orders from that customer, and from those he tells about the satisfactory stock obtained from us.

Nothing Spectacular—Just the Best Cuttings that can be had, and at Right Prices.

CARNATION CUTTINGS

Clean, well-rooted stock, the kind that will make you and your friends our regular customers.

	Per 100	Per 1000		Per 100	Per 1000
Winsor	\$2.50	\$20.00	Enchantress	\$3.00	\$25.00
Beacon	3.00	25.00	White Perfection	3.00	25.00
White Enchantress	2.50	20.00	Rose Pink Enchantress	2.50	20.00

Immediate delivery. Write for special prices on large quantities. No order too large for our facilities. *Chrysanthemum cuttings in best variety, also.*

J. D. THOMPSON CARNATION CO., - Joliet, Ill.

PEONIES

Send for our list. The very choicest Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,
Richmond, Indiana.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, \$12.00 per 100; \$100.00 per 1000
Alma Ward, 15.00 " 125.00 "

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, \$6.00 per 100; \$50.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink Enchantress and Harlowarden, \$3.50 per 100; \$30.00 per 1000.

NOW READY

New Crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons at 25c and \$1.00 per package.

CHARLES H. TOTTY, MADISON, N. J.

CHRYSANthemUMS

All orders booked now for early delivery.

Write for Catalogue

ELMER D. SMITH & CO
ADRIAN, MICH.

CARNATION

Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATALOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

ROOTED CUTTINGS

Chrysanthemums, Golden Glow, Monrovia, Estelle, Polly Rose, Pacific Supreme, Desjouis, Poehlman, Enguehard, Nonin, etc.

Geraniums, Nutt, Perkins, Ricard, Buchner.

Carnation, Boston Market.

Hardy Pinks, Giant Flowering Pansies, ready to bloom, all \$1.00 per 100, \$10.00 per 1000.

List.

EDWARD WALLIS, Atco, N. J.

Dreer's Tuberous Rooted Begonias



Fancy Leaved Caladiums, Gloxinias and Tuberoses.

The Begonias and Gloxinias which we offer are grown for us by an expert who has made a specialty of this class of plants for many years. You can secure cheaper but not better stock.

Begonias, Singles in separate colors, Scarlet, Crimson, White, Rose, Yellow and Orange, 40c per doz.; \$2.50 per 100; \$22.50 per 1000.

Begonias, Singles in choicest mixture, 35c per doz.; \$2.25 per 100; \$20 per 1000.

Doubles in separate colors, Scarlet, Rose, White and Yellow, 60c per doz.; \$4.50 per 100; \$40.00 per 1000.

Begonias, Doubles in choicest mixture, 50c per doz.; \$4.00 per 100; \$35 per 1000.

Sun-Proof Begonia, Duke of Zeppelin, 85c per doz.; \$6.00 per 100.

" " La Fayette, \$1.25 per doz.; \$8.00 per 100.

Friiled Begonias, in separate colors, Scarlet, White, Pink and Yellow, \$1.00 per doz.; \$7.00 per 100; \$65 per 1000.

Gloxinias, in choice mixture, 60c per doz.; \$3.50 per 100; \$30 per 1000.

Fancy Leaved Caladiums, choicest standard Varieties, \$1.50 per doz.; \$10 per 100

choice new and rare varieties, \$2.00 per doz.; \$15 per 100
select new varieties, \$3.50 per doz.; \$25 per 100

Double Pearl Tuberoses, selected bulbs, 4 to 6 inches in circumference, \$1.00 per 100; \$8.00 per 1000.

For a full list of seasonable Plants, Bulbs and Seeds, see our Quarterly Wholesale Price List, issued Jan. 1.

HENRY A. DREER, Inc., Philadelphia

THE ABOVE PRICES ARE INTENDED FOR THE TRADE ONLY

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA

June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

ROEHRS, RUTHERFORD N. J.

LORRAINE BEGONIAS

SANGAMO

New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

\$100.00 per 1000

A. C. BROWN,
Springfield, Ill.

CHICAGO CARNATION CO.
Joliet, Ill.

A New Seedling
Carnation :: ::

Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. \$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co.,

A. T. PYFER,
Manager.

Joliet, Ill.

MARY TOLMAN

A NEW LIGHT PINK
CARNATION FOR 1910

\$12.00 per 100. \$100.00 per 1000.

A. E. HUNT & CO.,
Evanston, Ill.

CHICAGO CARNATION CO.,
Joliet, Ill.

HUNT BROS.,
Park Ridge, Ill.

Ten points of excellence of the

New Seedling Begonia "GLORY of CINCINNATI"

1. It lasts longer in the dwelling than any other Begonia.
2. It is a most beautiful shade of soft, satiny pink.
3. The individual flowers are much larger than those of Gloire de Lorraine.
4. Easily propagated.
5. Easy of cultivation.
6. Strong, robust grower.
7. It can be grown in a 4-inch pot to look like a plant.
8. It flowers from October to April.
9. Not surpassed by any other Begonia.
10. The best plant for the Christmas Trade.

\$1.00 each, \$9.00 per dozen,
\$50.00 per 100 July Delivery

You cannot invest your money to better advantage.

J. A. PETERSON

McHenry Ave., Westwood,
CINCINNATI, O.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots...\$25.00 per 100 6 in. pots...\$40.00 per 100
5 in. pots...30.00 " 7 in. pots...50.00 "

THOMAS ROLAND, NAHANT, MASS.

Seed Trade

The Army of Unemployed.

Much thought is being given by one or two of the leading seed houses to the problem of the large army of unemployed gardeners who block the wheels of trade from daylight to dark especially in the busy season. It is not always the good men that cause the trouble; but largely those who cannot keep a job more than three months—the majority of whom are neither more nor less than ordinary laborers—although they call themselves gardeners. The solution of the problem will no doubt be found in a registry charge and a stern sifting out of the incompetents and malcontents. Some one must take the bull by the horns.

CATALOGUES RECEIVED.

Scott Bros., Elmsford Nurseries, Elmsford, N. Y.—List of Chrysanthemums, Roses, Carnations, etc., for 1910. A neat and useful 8-page pamphlet.

Old Colony Nurseries, Plymouth, Mass.—Established 70 years, this pioneer institution goes on the even tenor of its way. The catalogue is unpretentious, without pictures of any kind, but gives a good list of desirable hardy tree, shrub and herbaceous material.

Griffith & Turner Co., Baltimore, Md.—Farm and Garden Supplies. Rich but unostentatious in external appearance. This is a very "meaty" catalogue. We see that this issue is No. 23. We sincerely hope that the popular superstition regarding No. 23 will prove unfounded so far as the G. & T. Co. are concerned. Our regular advertisers say that the most potent charm to secure immunity would be to advertise in HORTICULTURE. It also looks that way to us.

McGregor Bros. Co., Springfield, O.—Floral Gems for Spring of 1910. All flower are "gems," but McGregor Bros. are happy in their selection of the finest gems in the floral kingdom as exemplified in the selections and collections with which they undertake to corral the public eye and the public patronage in this publication. There are colored plates—some of them mighty pretty—and illustrations in abundance. The artist missed his proper tint in the portrait—otherwise excellent—of Marechal Niel rose which adorns the front cover.

INCORPORATED.

Oswego, N. Y. The Campbell Flower & Seed Co., capital stock \$10,000.

North Yakima, Wash.—Selah Valley Nurseries, capital stock \$5,000. Chas. Wood, A. C. E. Brown, incorporators.

San Diego, Calif.—San Diego Flower Association. Alfred D. Robinson, L. A. Blochman, S. M. Daley, Kate O. Sessions, Liman J. Gage, Rodney Stockes and Mrs. F. P. White.

Hollister, Calif.—Pieters & Wheeler Seed Co., capital stock subscribed entirely by A. J. Pieters, president; H. M. Pieters, vice-president; L. W. Wheeler, secretary. Mr. Wheeler was formerly with Vaughan's Seed Store of New York.

THE GLADIOLUS.

Planting, Culture, Storing, etc.

The best soil for the gladiolus is a sandy loam with gravelly sub-soil, fairly well enriched with cow dressing spread on the land in the fall and plowed under in the spring.

The small sized bulbs and bulblets may be planted about the last of April and first of May and the larger bulbs from that time in succession to the 20th of June or later and they may be had in flower in the latitude of New England from the last part of July until freezing weather.

Plant in rows 18 to 20 inches apart, placing the bulbs not more than three times the size of the bulb apart in double rows alternating thus—

o o o o o o o o o o

and the foliage will touch and support itself and stand up perfectly without staking or artificial support of any kind. Depth to plant varies with size of bulb, soil, culture, etc., in most cases two to four inches deep being customary.

The soil should be kept well cultivated from planting time until the flowers begin to come; especially stir the soil after every rain to break up the soil particles and prevent evaporation of moisture. Later in the season mulching between the rows with grass or straw dressing would be better than cultivation.

Pick the flower spike when two lower flowers are open, place in water in a cool room and they will keep nearly two weeks. This early picking of the flowers conserves the strength of the bulbs and they make a better growth and produce more bulblets.

As to varieties, America is one of the very best for florists' use. White Sandersonii, Shakespeare, May and other light colored varieties, may be used in design work and are in good demand. Princeps, Mrs. Francis King, Independence and other varieties of large sized flowers and spike, sell well for bouquets and general decorative work.

The bulbs should be dug when thoroughly ripened, usually after hard frosts; the tops should be cut off close to top of bulb. The bulbs may be stored in shallow trays with air spaces between in a cool cellar, a temperature of about 40 degrees being best.

The bulblets may be cleaned off and bulbs sized ready for planting, during the winter after they get dried enough so that the bulblets will clean off easily. E. R. M.

ROSES FLOWER OF FAIRFIELD AND PRESIDENT TAFT.

Your issue of February 5th, page 210, contains a query as to Farquhar's advertised rose Flower of Fairfield, whether it is a continuous bloomer. You may state on my behalf, that I saw the rose in question last summer flowering in Orleans, France, with Levavasseur & Sons, also in a German nursery of Thuringia. Both parties assured me that the Flower of Fairfield had thus far proved a continuous flow-

—GREEN— Cane Stakes For Your Lilies

6 to 8 ft., \$7.00 per 1000

WM. ELLIOTT & SONS,
42 Vesey St., New York.

I OFFER CHOICE QUALITY

Early Ohio Potatoes, \$1.00 bu.; Early Irish Cobblers, \$1.00 bu.; Genuine Danish Ball-head Cabbage Seed (imported stock) \$4.00 lb. All Early Radish seed (French Stock) \$4.00 per lb. Northern grown Kellow or White Onion Sets, \$2.35 per bu. All F. O. B. Syracuse. Remittance with order. Reference any bank in Syracuse.

F. H. EBELING, Seedsman
Established 1868. Syracuse, N. Y.

CABBAGE Wakefield and Succession. \$1.50 per 1000. \$8.50 per 10,000.
PARSLEY 25 cts. per 100. \$1.25 per 1000.
LETTUCE Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
BEET PLANTS \$1.25 per 1000.

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Peas and Beans

If you want our growing prices for Crop 1910 please let us know.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

ering Crimson Rambler, only remaining shorter in the wood, since its strength to make new wood was partly absorbed in the plant's efforts to produce flowers; otherwise in color, foliage, etc., it is simply a Crimson Rambler. It is reported to be a sport of the Crimson Rambler, originating with a Mr. Ludorf, and put on the market since the season of 1908-1909. I was told that the rose thus far did not grow taller than about six feet. How it will act in our climate will soon be established.

Referring to the rose President Taft, placed on our market by a Holland firm, such is the German rose Leuchfeuer, originated with the German rose grower, H. Kiese, who sold it to said Dutch firm, with the privilege of renaming it. The foreign lists continue to offer this rose as "Leuchfeuer," which in German means Beacon-light; it is a Bengal cross of Cramoisi-Supérieur with Gruss an Teplitz.

WINFRIED ROELKER.

Larimore, N. D.—S. F. Mercer & J. H. Magoris have opened a new seed store under the firm name of M. & M. Seed Store. They do a catalogue trade, buying, selling and growing seeds, plants, etc.

HEADQUARTERS FOR BULBS

GLADIOLUS

All Gladiolus offered by us are large blooming sized bulbs

	doz.	100	1000
America. A beautiful soft pink color.....	\$0 65	\$3 75	\$35 00
Augusta. A grand pure white.....	40	2 00	18 00
Brenchleyensis. A pure scarlet.....	20	1 25	12 00
Canary Bird. Exquisite light yellow.....	1 00	7 50	70 00
Columbia. Deep scarlet, marked black.....	40	2 00	18 00
Eugene Scribe. Rose-shaded carmine.....	60	3 75	35 00
Glory of Brightwood. Beautiful scarlet with lemon-shaded throat.....	60	4 50	40 00
Klondyke. Yellow with crimson blotch. An exquisite new sort.....	65	4 50	42 50
Little Blush. Beautiful blush white.....	50	3 50	30 00
May. White pencilled crimson.....	25	1 60	15 00
Priniceps. Dazzling scarlet, white markings on lower petal.....	1 40	10 00	90 00
Shakespeare. White carmine, blotched pink.....	75	5 50	50 00
Senator Volland. Blue, blotched violet, stained yellow, with a blue stripe, very odd combination.....	1 00	6 75	65 00

	doz.	100	1000
White and Light (Special florists' mixture)	40	2 50	20 00
Pink and Rose.....	25	1 50	12 00
Scarlet and Crimson.....	25	1 25	10 00
Striped and Variegated.....	30	2 00	19 00
White and Light Shades.....	25	1 75	15 00
Yellow in All Shades.....	45	3 25	30 00

GLADIOLUS IN MIXTURE. 1st size bulbs only.

Childsii. A distinct mammoth type.....	\$0 30	\$1 75	\$16 00
Extra Choice Mixed. All colors.....	20	1 25	10 00
Fine Mixed. All colors.....	15	1 00	8 00
Groff's New Hybrids. Extra fine.....	25	1 50	12 50
Lemoines, Butterfly. Brilliant varieties.....	25	1 50	14 00
Michell's Giant Flowering Mixture.....	30	2 00	17 50

TUBEROSES

Our tuberose bulbs are all hand selected and are entirely reliable, blooming the first season.

	Per doz.	Per 100	Per 1000
Mammoth Pearl. Pure white.....	\$0 20	\$1 00	\$9 00

Write for our Wholesale Catalog

HENRY F. MICHELL CO., 518 and 1018 Market St., Philadelphia, Pa.

ESTABLISHED 1820

Thorburn's Bulbs

Lily of the Valley Pips

COLD STORAGE.

Our usual high grade quality.
Price on application.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts \$1.25.....	.25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts \$1.25.....	.25
Phlox dwarf Fireball.....	2.50 .35
" " Roseball.....	2.00 .3
" " Snowball.....	3.00 .40
" " Cecily, all shades mixed.....	2.50 .35
Salvia Zangen's Fireball, fine for pots early.....	4.00 .50
Salvia Zangen's King of Scarlets late.....	1.00 .50
Salvia " Zurich, earliest dwarf.....	8.00 .50

For Other Seeds See My New Catalogue.
IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY

Prices Quoted in these Columns are for Dealers Only
When Writing to Advertisers Please Mention
HORTICULTURE.



LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KENZIE STREET, CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Cauliflowers CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

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32 South Market Street, Boston, Mass.

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 1910 next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

SEED for FLORISTS TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

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26 & 27 So. Market St., BOSTON, MASS.

NEW CROP FLOWER AND VEGETABLE SEEDS

FOR FOR-ING

Asters, Salvias, Vincas, Verbenas, Stocks and Petunias, Tomato "The Don," Onion "Ailsa Craig" Mushroom Spawn-English and Pure Culture. Special prices and catalogue on application.

Seed Merchants & Growers
Weeber & Don, 114 Chambers Street, NEW YORK

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c. oz \$4.00.

Pure White. Tr. pkt. 50c. oz. \$4.00.

Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

**232 Michigan Ave.
CHICAGO**

AUDITORIUM ANNEX

Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

New Rochelle, N. Y.—W. L. Hitcock, Main St.

Boston, Mass.—Huntington Florists, Huntington Ave.

Schenectady, N. Y.—Marvin K. Champlin, 320 Nott Terrace.

Stockton, Calif.—Mrs. Wm. Dow and Mrs. J. A. Louttit, North Sutter St.

Minneapolis, Minn.—James Souden will open a new store in the Radison Hotel, to be known as the Radison Flower Shop, and Mr. Souden will be manager. Mr. Souden is well known to the trade and the new venture will no doubt be a success.

PERSONAL.

T. Mellstrom, representing Sander & Son, St. Albans, England, and Bruges, Belgium, sails from Liverpool for New York on the Campania, March 5.

W. N. Reed of Reed & Keller, florists' supply dealers, New York, has

STEAMER DEPARTURES		
Atlantic Transport.		
Minnetonka, N. Y.-London...	Mar. 12	Cunard.
Lusitania, N. Y.-Liverpool...	Mar. 9	
Ivornia, Boston-Liverpool...	Mar. 15	French.
La Savoie, N. Y.-Havre...	Mar. 10	
Hamburg-American.		
Patricia, N. Y.-Hamburg...	Mar. 12	North German Lloyd.
K. Wil'm d'Grosse, N. Y.-B'n...	Mar. 8	
Berlin, N. Y.-Mediterranean...	Mar. 12	Red Star.
Vaderland, N. Y.-Antwerp...	Mar. 12	White Star.
Adriatic, N. Y.-S'hampton...	Mar. 12	
Cretic, Boston-Med't'n...	Mar. 12	
Baltic, N. Y.-Liverpool...	Mar. 19	

been laid up for the past three weeks with a very painful attack of inflammatory rheumatism. He is now improving.

On Saturday, March 5th, M. Rice, the Philadelphia florists' supply dealer, and Mrs. Rice will celebrate the 25th anniversary of the business by taking a two months' cruise along the coast. May they both have a good time. They deserve it.

Visitors in Indianapolis: Mr. Mauntz, representing Reed & Keller, New York; Paul Berkowitz and Mr. Green, representing H. Bayersdorfer & Co.; B. Eschner and W. J. Farner, representing M. Rice & Co.; E. J. Fancourt, representing Pennock-Meehan Co., all of Philadelphia; Fred Heintz, Terre Haute, Ind.; A. F. Forgun, of E. H. Hunt, Chicago.

Visitors in Boston: Carl U. Fohn, Colorado Springs, Colo.; H. S. De Forest, of Pierson-U-Bar Co., New York; Ed. Roehrs, Rutherford, N. J.; Mr. Brown of Cottage Gardens, Co. Queens, N. Y.; Geo. M. Stumpp, New York; Mr. Strange, representing Lager & Hurrell, Summit, N. J.; E. A. Richards, Greenfield, Mass.; James Hockey, Pawtucket, R. I.; Geo. L. Mahoney, Biddeford, Me.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St.

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Our Motto—The Golden Rule

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42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems

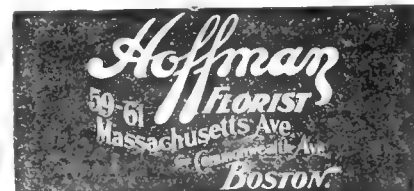
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BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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EDWARD MACMULKIN
194 Boylston Street, Boston



LOUISVILLE, KY.
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Established 1874.

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsflor.

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Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

CHAS. EBLE**Florist**

121 Baronne St., New Orleans, La.

Prompt deliveries in this section.

MATTHEWS The
FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.WILL TAKE PROPER
CARE OF YOUR ORDERS IN Wisconsin**THE BOSTON
CUT FLOWER CO.**

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

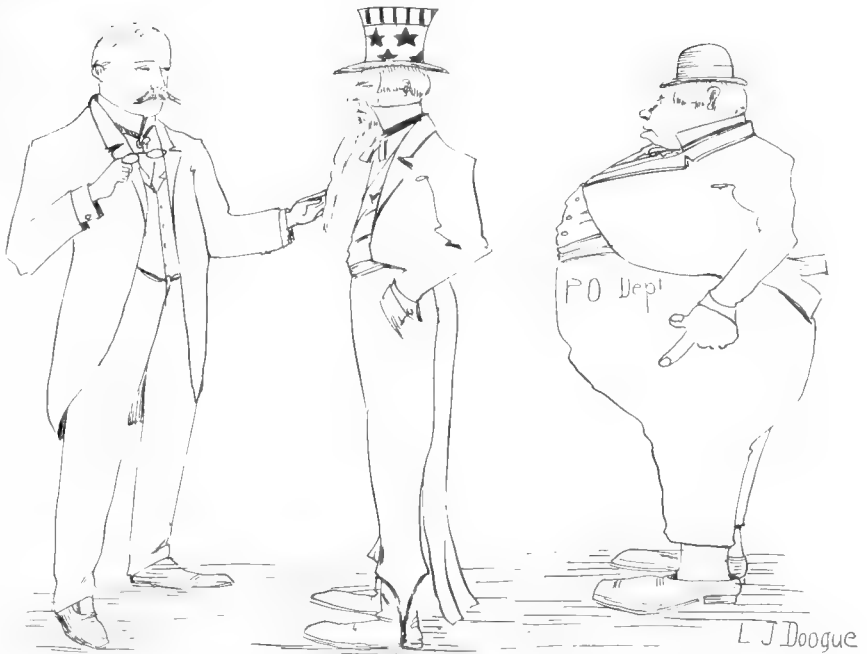
H. V. LAWRENCE

Falmouth, Mass.

WELLESLEY COLLEGEDana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

In ordering goods please add "I saw it in HORTICULTURE."

A DIAGNOSIS.



Dr. Publisher "I have examined your boy thoroughly and find him suffering from a fungous growth we call Frankitis. Just remove this growth and he'll soon get down to normal size and health."

"FLOWERS BY TELEGRAPH."Leading Retail Florists Listed by
Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Malden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co., New York—David Clarke's Sons, 2130-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

New Orleans, La.—Chas. Eble, 121 Baronne St.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

NEWS NOTES.

Salt Lake City, Utah.—The recent flood considerably damaged the greenhouse of C. H. Gold & Son. Fires were extinguished and the cold killed much of the stock.

Sioux City, Ia.—John R. Elder, 410 Pierce St., it is rumored, finds his location too small and intends to move March 1st to Fifth St.

DURING RECESS.

Twin City Bowlers.

The tournament between St. Paul and Minneapolis florists, Feb. 24th, at Minneapolis, terminated as follows:

MINNEAPOLIS.

	1	2	3	T'tls.
Th. Wirth.....	175	82	144	401
E. Meyer.....	142	134	124	400
L. Boeglin.....	195	111	130	379
K. Carlson.....	170	113	137	420
C. N. Ruedlinger..	190	126	139	455
J. Jorgenson.....	139	110	141	390
Total	921	700	815	

ST. PAUL.

S. Dysinger.....	107	98	146	351
Ch. Hlangan.....	123	101	98	325
H. Puvogel.....	168	112	114	394
W. Hermes.....	123	147	147	414
W. Swanson.....	157	154	124	435
O. Olson.....	123	139	126	388
Total	801	754	752	

Minneapolis won two out of three games.

THE BEST LETTERS

FOR
FLORISTS'
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

CUT FLOWERS

ALL SEASONABLE STOCK IS PLENTIFUL WITH US. QUALITY ALL THAT CAN BE EXPECTED AND PRICES MOST ATTRACTIVE. LET US HAVE YOUR ORDERS. WE DOUBT IF YOU CAN DO BETTER

ANYWHERE.

Business hours: 7. A. M. to 8 P. M.

LEO NIESSEN CO.
WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

Cut Easter Lilies

GOOD STOCK IN QUANTITY

\$8.00 per 100

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6504

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Feb. 29		Feb. 28		Feb. 29		Feb. 24	
ROSES								
Am. Beauty, Fancy and Special...	40.00	to 50.00	35.00	to 45.00	50.00	to 60.00	30.00	to 40.00
" Extra.....	30.00	to 40.00	30.00	to 35.00	35.00	to 40.00	20.00	to 25.00
" No. 1.....	30.00	to 40.00	20.00	to 30.00	20.00	to 25.00	10.00	to 15.00
" Lower grades.....	8.00	to 15.00	10.00	to 20.00	6.00	to 12.00	3.00	to 8.00
Bride, 'Maid, Chateau, F. & S.....	8.00	to 15.00	8.00	to 12.00	12.00	to 15.00	6.00	to 8.00
" Lower grades.....	4.00	to 6.00	6.00	to 8.00	4.00	to 8.00	2.00	to 4.00
Killarney, Fan, & Sp.....	10.00	to 11.00	10.00	to 14.00	12.00	to 15.00	8.00	to 10.00
" Lower grades.....	4.00	to 8.00	8.00	to 10.00	4.00	to 8.00	8.00	to 6.00
Richmond, Fancy & Special.....	10.00	to 15.00	10.00	to 14.00	15.00	to 20.00	8.00	to 10.00
" Lower grades.....	4.00	to 8.00	8.00	to 10.00	4.00	to 8.00	2.00	to 6.00
My Maryland.....	12.00	to 15.00	6.00	to 12.00	4.00	to 12.00	2.00	to 10.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	2.00	to 3.00	3.00	to 4.00	2.50	to 3.00	1.50	to 2.00
	1.50	to 2.00	2.00	to 3.00	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	35.00	to 50.00	50.00	to 60.00	40.00	to 50.00
Lilies.....	15.00	to 20.00	12.50	to 15.00	8.00	to 12.50	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Violets.....	.50	to .75	.50	to 1.00	.50	to .75	.30	to .50
Mignonette.....	4.00	to 6.00	4.00	to 5.00	2.00	to 4.00	1.00	to 3.00
Sweet Peas.....	.50	to 1.00	1.00	to 1.50	.50	to 1.00	.50	to .75
Roman Hy. Paper Whites.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	1.00	to 2.00
Trumpet Narcis.....	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Tulips.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 3.00
Gardenias.....	20.00	to 40.00	30.00	to 40.00	15.00	to 35.00	15.00	to 30.00
Adiantum.....	1.00	to 1.25	1.25	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 15.00	15.00	to 20.00	12.00	to 16.00
Asparagus Plumosus, strings (100)	50.00	to 60.00	40.00	to 50.00	50.00	to 60.00	50.00	to 60.00
" & Spren. (100 bchs.)	30.00	to 40.00	25.00	to 35.00	35.00	to 50.00	30.00	to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street,
9 Chapman Place, Boston, Mass.

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers.

Roses and Carnations Our Specialty!

Flower Market Reports

BOSTON Mid-lent finds this market in normal condition, with demand fairly good on some lines and weak on others. Roses are in good demand, everything considered, and Killarney, White Killarney, Richmond and Beauty are being unloaded with success. White carnations and Acacia pubescens may also be recorded among the good sellers. Among the slow sellers are colored carnations, gardenias, lily of the valley, freesias, tulips, yellow narcissi single and double, sweet peas, stocks and violets. Business in general is dull according to all accounts and lacks spirit.

BUFFALO Trade has been on the quiet side for past two weeks and the market is in bad condition at times. Flowers have been plentiful on most lines, especially carnations of ordinary quality, which have been carried along awaiting an outlet, and finally the bargain man is looked for. Some excellent Beacon, Ideal, Melody, White Lawson, Perfection and Enchantress are had and the select stock has been moved freely. The severe cold weather of late has checked the sale of corsage flowers, and violets, peas and lily of the valley are overplentiful at times and little or no outlet is found. Beauties and other roses have had a good call and are not in oversupply. Maryland has done well this winter, also Killarney and Richmond. White Killarney becoming more popular with the trade, although the Bride is preferred, especially when floral work is had. Spring flowers are in good supply, especially tulips, narcissi and daffodils, which have had only a fair demand. Callas are fine and have sold well, while Easter lilies are plentiful and only normal in demand. Smilax and other greens are in good supply. Asparagus plumosus bunches are rather scarce in this section.

CHICAGO Stock is coming in quite freely now, and the florist who has a good shipping trade will wear a smile of satisfaction. On the other hand, he who depends entirely upon local sales for his trade will tell you that he is looking for livelier business soon. It is certainly true that some florists found more flowers on their counters than they could dispose of to advantage. This was especially true the last week in February. The closing Monday of the month found most of the market quite lively and flowers were of fine quality. It is daily more evident that the quantity of bulb stock coming in is more than the trade can handle at a figure satisfactory to the grower. Each year the number of bulbs grown has been a little larger, and the excess is particularly evident in the unsold stock of daffodils and narcissi. Tulips, so far, have moved off more readily. All kinds of roses are good and moving satisfactorily, Killarney still in the lead. Pansies and forget-me-not are the latest additions to the regular winter flowers. Lilies are not plentiful, and the usual anxiety regarding the supply for Easter is felt with some additions this year.

(Reports continued on page 349)



Luxury and Exclusiveness In Florists' Ribbons

BARGAIN OFFER—FOR THE WEEK

SPLENDID STOCK AT HALF PRICE

Guaranteed all silk and best quality. Our **Satin and Gros Grain**—"pattern 200"—is one of the most popular for design and funeral work. Made extra heavy for this special trade.

Colors in Both Widths
—Violet, purple, pink, and American Beauty.

Satin and Gros Grain
Pattern 200

234 pieces, No. 12 width—
regular price 95c—this week
47½c.

115 pieces, No. 16 width—
regular price, \$1.10—this
week
55c.



GREEN CARNATION DYE, \$1.00 per package, enough for 200 to 300 flowers.
GREEN CHIFFON, 6 in., 4c per yard.

Catalogue of Ribbons and Supplies on Request

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	March 1		Feb 28		March 1		March 1	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	40.00	to 50.00	40.00	to 50.00
" Extra	15.00	to 20.00	15.00	to 20.00	20.00	to 30.00	20.00	to 30.00
" No. 1	10.00	to 15.00	12.00	to 15.00	10.00	to 15.00	10.00	to 15.00
" Lower grades	6.00	to 8.00	4.00	to 10.00	6.00	to 8.00	3.00	to 6.00
Bride, "Maid, Chateaux, F. & S.	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	10.00	to 12.00
" Low gr.	4.00	to 6.00	3.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Killarney, Fan. & Sp.	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	10.00	to 12.00
" Lower grades	4.00	to 6.00	3.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Richmond, Fancy & Special	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	10.00	to 12.00
" Lower grades	4.00	to 6.00	3.00	to 6.00	5.00	to 8.00	6.00	to 8.00
My Maryland	4.00	to 10.00	4.00	to 8.00	5.00	to 10.00	4.00	to 10.00
CARNATIONS, Novelties and Fancy								
" Ordinary	1.00	to 2.00	1.00	to 2.00	1.50	to 2.50	1.50	to 2.00
MISCELLANEOUS								
Cattleyas	40.00	to 50.00	.....	to 50.00	50.00	to 60.00	.....	to 50.00
Lilies	10.00	to 15.00	15.00	to 20.00	.....	to 10.00	8.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets	.25	to .50	.50	to .75	.50	to .75	.35	to .75
Mignonette	4.00	to 8.00	6.00	to 10.00	2.00	to 4.00	3.00	to 4.00
Sweet Peas	.50	to 1.00	.50	to 1.00	.50	to 1.00	.25	to 1.00
Roman Hy. Paper Whites	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Trumpet Narcis.	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Tulips	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Gardenias	30.00	to 40.00	30.00	to 40.00	.....	to 1.00	.....	to 1.25
Adiantum	.....	to 1.00	.75	to 1.00	1.00	to 1.50	1.00	to 1.25
Smilax	.....	to 12.50	15.00	to 20.00	12.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	30.00	to 50.00	40.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	35.00	to 50.00

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Open from 5 a. m. to 6 p. m. Sunday
 till 10 a. m. **CUT FLOWERS**
 Tel. 5243 and 2921 Madison Sq. Res., 345 J., Newtown.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only.

ROSES AND CARNATIONS	Last Half of Week ending Feb 26 1910		First Half of Week beginning Feb. 28 1910	
American Beauty, Fancy and Special.....	40.00	to 50.00	40.00	to 50.00
" " Extra.....	22.00	to 30.00	20.00	to 30.00
" " No. 1.....	8.00	to 12.00	8.00	to 12.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Field, Golden Gate, Fancy and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Killarney, Fancy and Special.....	6.00	to 12.00	4.00	to 10.00
" " Lower Grades.....	1.00	to 5.00	1.00	to 3.00
Richmond, Fancy and Special.....	4.00	to 12.00	4.00	to 12.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Fly Maryland.....	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy and Novelties.....	1.50	to 3.00	1.50	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to 1.00

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THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
 PHONES 1664-1665 MADISON SQUARE
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CENTRALLY LOCATED, THE HUB OF THE
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 Preserved and Fresh Cut
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 fect Adjustable Pot Handle or Hanger,
 Perfect Adjustable Plant Stands and
 the Original Genuine Immortelle Let-
 ters, etc. Every Letter Marked.
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 PERS OF CUT
 FLOWERS.**
 CONSIGNMENTS SOLICITED.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.
 For sale by dealers

Flower Market Reports.

(Continued from page 347)

Carnations badly accu-
 DETROIT mulated, roses after a
 period of short crop now
 coming in in excess of the demand and
 a tumble in values all along the line
 on account of the condition of these
 two staples is the present situation in
 the wholesale markets as described by
 our Detroit correspondent. Retailers
 all report slow business, attributable
 in part to the disagreeable weather
 conditions.

Business has been

INDIANAPOLIS good in nearly all
 lines. Good Beau-
 ties have been on the scarce side
 while tea roses are sufficient for all
 demands. Violets, sweet peas and all
 kinds of bulb stock are in abundance
 and sell well. Well grown lilacs, aza-
 leas, rhododendrons, cyclamens and
 bulbous stock in pans are very much
 in evidence in all the stores with de-
 mand good. Easter stock promises to
 be of the usual good quality and quan-
 tity though some growers will be short
 of lilies.

In the depth of Lent,

NEW YORK with a succession of
 dreary days with fog
 and downpour, there is really nothing
 inspiring that can be said about the
 flower market of the metropolis. The
 wholesale dealer looks in despair at
 the heaped-up crates of carnations of
 every hue, lilies of every size from
 "weenies" up to "whoppers," lily of
 the valley, daffodils, tulips and poeti-
 cus by the carload and wonders, first,
 how the grower will feel when the re-
 turns are made; and second, how far
 the sales commissions on the whole
 cargo will go towards paying the clerks
 on Saturday night. Only one item is
 on the scarce side—that is American
 Beauty roses. The only impression
 this makes, however, is that there is
 no occasion to cut quoted prices. Cat-
 tleyas are very inferior at present.
 Not only are they small, but their
 keeping quality is of the lowest, a
 condition due, perhaps, to unfavorable
 weather conditions. In fact, the same
 deleterious influence is getting in its
 work on the cut flower product gener-
 ally, so that the majority of material
 received is distinctly inferior to that
 coming in two or three weeks back.
 Not much is said about Easter yet.
 In the light of the heavy shipments of
 lilies coming in at the present time,
 however, the great anxiety of the
 growers to hasten their lily crop for the
 the anticipated Easter demand would
 seem lacking in basis for confidence
 in the ultimate compensation for the

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

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SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



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Are invited to call or write. I can dispose of your flowers for
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 Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
 New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb 26 1910		First Half of Week beginning Feb. 28 1910	
Cattleyas.....	35.00	to 40.00	35.00	to 40.00
Lilies.....	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Narcis. Paper White.....	.50	to 2.00	.50	to 1.00
Trumpet Narcis.....	.50	to 2.00	.50	to 1.00
Tulips.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.20	to .35	.20	to .35
Mignonette.....	1.00	to 4.00	1.00	to 4.00
Sweet Peas (per 100 bchs).....	3.00	to 8.00	3.00	to 8.00
Gardenias.....	5.00	to 30.00	5.00	to 25.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	10.00	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Sprea. (100 bchs).....	25.00	to 35.00	25.00	to 35.00

extra work and worry. Retailers' win-
 dows are brilliant with a gay profusion
 and unusual variety of flowers, and
 well they may, as the astute buyer
 can almost make his own price on
 many things.

TWIN CITIES While the cut-flower
 business during Lent
 is generally a little
 dull, this year it seems to be an excep-
 tion, for everybody reports good sales
 since Lent commenced. Roses are still
 scarce, the supply of carnations about
 equals the demand, while violets and
 bulb stock are plentiful.

Philadelphia reports the same un-
 precedented conditions existing as de-
 scribed last week. Business has been
 so unprofitable and things are in so
 chaotic a state that there is nothing
 of interest or value which can be re-
 corded at this time.

PHILADELPHIA NOTES.

An automobile party for the conven-
 tion in Rochester next August is the
 latest proposition among the upper ten
 among the Philadelphia florists. John
 Burton, George Anderson, John Gracie,
 Edward Reid and Liddon Pennock are
 already among the entries. The fa-
 vored few who can go along as guests
 are putting on their sweetest smiles
 so as to get an invitation. A hand-
 some prize is to be awarded to the
 first party reaching destination.

NEWS NOTES.

Reno, Nev.—Eddy Floral Co. has re-
 moved to larger quarters, 17 West Sec-
 ond St.

Vancouver, Wash.—L. Gillott has
 purchased the business and green-
 house of A. Hanson.

Vincennes, Ind.—Frisz Bros. met
 with a loss of \$2,000 recently caused
 by the snow piling up on the glass.

There are some mighty tempting
 special offers in our Buyers' Directory
 this week. Don't fail to read them
 through.

Pittsfield, Mass.—The heavy snow
 of Feb. 18th broke about 500 square
 feet of glass in the greenhouse of R.
 Engleman on Elm St. Loss about
 \$250.

Madison, Wis.—The La Crosse
 Floral Co. will increase its capital
 stock from \$10,000 to \$25,000. This
 concern has four greenhouses, 27 x 300
 ft., and cultivates six acres of land.

Worcester, Mass.—The Aitken Co.,
 it is rumored will leave Worcester be-
 cause of their inability to find suitable
 quarters. Carl Bavier who has been
 manager of the Worcester store will
 be associated with H. F. A. Lange,
 henceforth.

SOUTHERN WILD SMILAX
 Fully Guaranteed.
LOUISVILLE FLORAL CO.
 Louisville, Ala.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, 5000 strong field stock, 18 to 24 live tops, also 50,000 privet, 20 to 30, 18 to 24 and 15 to 18 in. Write Benj. Council, Merchantville, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

Asparagus Sprengeri, 2½ inch. We offer a fine lot of this very profitable asparagus, just right for growing on or filling fern dishes, etc. \$3.00 per 100. Will pay for themselves many times over in short time. S. S. Pennock-Meehan Co., the wholesale florists of Philadelphia, Pa., 1608-1620 Ludlow St., Philadelphia, and 1212 New York Ave., Washington, D. C.

50,000 extra strong 2 and 3 yr. asparagus roots, mostly Palmetto, 2-yr., extra heavy, \$1.00 per 100, \$4.00 per 1000; 3-yr., very fine, \$1.25 per 100, \$5.00 per 1000, packed free. Guaranteed to please. Chas. Black, Hightstown, N. J.

Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

Asparagus Sprengeri, strong plants, 2½ in., \$2.00 100, \$18.00 1000; 3-in., \$3.00 100, \$27.00 1000. The East Lawn Gardens, Urbana, Ohio

Asparagus Pl. Nanus clumps, strong, \$6.00 per 100. Seeds \$2.00 per 1000. P. Mack, Orlando, Fla

Asparagus Sprengeri, 2-in., \$3.00 per 100; 3½-in., heavy, \$4.50. Wagner Park Conservatories, Sidney, O

ASTER SEED

Henry F. Michell Co., Philadelphia, Pa.
Aster Seed. Not wonderful, but fresh, reliable seed of all the finest florists' varieties. Send for list. Lady Roosevelt \$4.00 per oz. R. E. Huntington, Painesville, O.

AUTOMATIC SPRAYING MACHINE

J. G. Mastin & Co., Chicago, Ill.
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AZALEAS

A. Leuthy, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes. Pyramid and Standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

Edward Wallis, Atco, N. J.
For page see List of Advertisers.

BEGONIAS

Robert Craig Co., Philadelphia, Pa.
Lorraine Young Stock.
For page see List of Advertisers.

J. A. Peterson, Cincinnati, O.
Seedling "Glory of Cincinnati."
For page see List of Advertisers.

Henry A. Dreer, Philadelphia, Pa.
Tuberous Begonias.
For page see List of Advertisers.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 406 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., New York.

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A. T. Boddington, 342 W. 14th St., N. Y.

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Richards Bros., 37 East 19th St., New York.

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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Bermuda Lilies.

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Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.

French Bulbs, Horseshoe Brand.

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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

French and Dutch Bulbs.

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H. E. Fiske Seed Co., Boston, Mass.
For page see List of Advertisers.

E. S. Miller, Wading River, N. Y.

For page see List of Advertisers.

CANNAS

Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

Cannas. Sec. Chabanne, Paul Marquant, Cinnabar, \$1.75 per 100; Pennsylvania, \$2.00; Robusta, Mlle. Berat, \$1.00; Beaute Poitevine, Pres. Viger, \$3.00; Papa Nardy, \$5.00. Wagner Park Conservatories, Sidney, O.

Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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The E. G. Hill Co., Richmond, Ind.
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Baur & Smith, Indianapolis, Ind.
Carnation Shasta.

A. C. Brown, Springfield, Ill.
Carnation Sangamo.
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Wood Bros., Fishkill, N. Y.
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Edward Wallis, Atco, N. J.
For page see List of Advertisers.

Chas. H. Totty, Madison, N. J.
Rooted Cuttings.

For page see List of Advertisers.

Skidelsky & Irwin Co., Philadelphia, Pa.
Rooted Cuttings.

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Cottage Gardens Co., Queens, L. I., New York.

Alma Ward and Mrs. C. W. Ward.
For page see List of Advertisers.

J. D. Thompson Carnation Co., Joliet, Ill.
For page see List of Advertisers.

George E. Buxton, Nashua, N. H.
Bon Ami.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
For page see List of Advertisers.

Edward Wallis, Atco, N. J.
Rooted Cuttings.

For page see List of Advertisers.

J. D. Thompson Carnation Co., Joliet, Ill.
For page see List of Advertisers.

Alois Frey, Crown Point, Ind.
Single and Anemone Chrysanthemums.

Chrysanthemums, strong, well rooted cuttings, from bench-grown stock, guaranteed to give the best of satisfaction.

1000. 1000

Mme. Touset. \$10.00 W. Bonnaffon. \$10.00

Bergman, early Y. Bonnaffon. 10.00

white 15.00 Yellow Eaton. 15.00

Mrs. Robinson. 10.00 White Eaton. 15.00

Oct. Frost. 10.00 G. Pacific. 15.00

Ivory 10.00 Chadwick 15.00

Pink Ivory. 10.00

Golden Glow \$20.00 per 1000. This is the earliest and best money maker of all mums

We have good R. R. service. 24 express trains daily.

Swan Peterson Floral Co., Gibson City, Ill.

For List of Advertisers See Page 355

CHRYSANTHEMUMS—Continued

Chrysanthemums, rooted cuttings. We have a fine stock of all the leading varieties, and offer same for prompt order and unsold at \$2.50 per 100; \$20.00 per 1000. Send us memorandum of what you require at once to prevent disappointment. Delivery at any time to suit your convenience. But book your order at once as some of the varieties are in short stock. S. S. Pennock-Meehan Co., the wholesale florists of Philadelphia, Pa., 1608-1620 Ludlow St., Philadelphia, and 1212 New York Ave., Washington, D. C.

2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracena Indivisa in 3½ and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria \$4.00 per 100; \$35.00 per 1000. Stafford Floral Co., Stafford Springs, Conn.

Gloria, a large, early Enchantress colored 'mum. R. C. now ready, 25, \$1; 100, \$3.75, prepaid. Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Pompons, field clumps, 4c; the lot of 1000, \$30.00. Hugo Kind, Hammononton, N. J.

CLEMATIS

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

COLEUS

Coleus rooted cuttings, good varieties, 60c. per 100; \$5.00 per 1000. Swan Peterson Floral Co., Gibson City, Ill.

CONCRETE PLANT PROTECTORS

J. H. Haley, Munith, Mich.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia. For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass. For page see List of Advertisers.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Acto, N. J.

For page see List of Advertisers.

J. L. Moore, Northboro, Mass.

For page see List of Advertisers.

Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yotive, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, Kriemhilde, Wm. Agnew, Zulu and other varieties, strong divisions, 5 cts. each; also Gladiolus, Groff's Hyb. seedlings, \$1.00 per hundred. E. R. Macomber, 20 Leonard St., Woodford, Maine

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias, good, strong division; all named varieties, \$1.75 per 100. C. W. Hoffman, Route 13, Dayton, Ohio.

DAHLIAS—Continued

Dahlias. Black Beauty, Elegante, \$3.00 per 100; Arabella, Earl of Pembroke, \$6.00. All large roots. Wagner Park Conservatories, Sidney, O.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Godfrey Aschmann, Philadelphia.

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EVERGREENS

New England Nurseries, Bedford, Mass.

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D. Hill, Dundee, Ill.

For page see List of Advertisers.

FERNS

A. Leuthy Co., Roslindale, Mass.

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F. R. Pierson, Tarrytown-on-Hudson, N. Y.

Select Ferns.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns. Piersoni, Barrowsii, Scottii and Elegantissima, 4-in., \$15.00 per 100. Wagner Park Conservatories, Sidney, O.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock

Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.

Evergreen Brand Fertilizer.

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FICUS

Ficus elastica, 20 to 24 in., extra fine, \$3.00 per doz. Wagner Park Conservatories, Sidney, O.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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Spring Trade Novelties.

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Rosens, 48 West 29th St., New York City.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100. 3-in. \$4.00 per 100. Mme. Sallerol out of 2 inch, fine plants, \$2.00 per 100. Verbenas out of 2 inch, separate colors or mixed, \$2.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirner, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

For Sale; 200 big, fancy Nutt geraniums in 5 in. pots; full of buds and bloom. Price 10c. each. Too large for our trade. G. S. Ramsburg, Somersworth, N. H.

GLADIOLI

E. S. Miller, Wading River, N. Y.

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Arthur Cowee, Berlin, N. Y.

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Thomas J. Oberlin, Sinking Spring, Pa.

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E. S. Miller, Wading River, L. I., N. Y.

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Gladioli. Independence, the best red in the market; also Mrs. Frances King, Giant Pink, Augusta and Groff's hybrids, genuine stock. Write for prices. Geo. S. Woodruff, Independence, Iowa.

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

Buy Independence gladiolus direct from home. We grew the stock that was introduced in 1908. Planting sizes cheap for cash. G. D. Black & Co., Independence, Iowa.

If you want good stock of Gladiolus and Dahlias at reasonable prices write Jantzen & Hoebe, Hicksville, Long Island, N. Y.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladioli. Send for list. Kirschhoff's, Pembroke, N. Y.

Gladioli Mrs. Francis King, \$3.00 per 1000; also other choice sorts cheap. Cash. P. O. Coblenz, New Madison, Ohio.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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- GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

- Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

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Pecky Cypress for Benches.
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- S. Jacobs & Sons, 1350-63 Flushing Ave., Brooklyn, N. Y.
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GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.
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GREEN CANE STAKES

- Wm. Elliott & Sons, New York, N. Y.
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GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

- Florists' Hall Asso. of America.
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- Henry A. Dreer, Philadelphia, Pa.
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- Foley Mfg. Co., Chicago.
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- Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS.

- Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2½-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

- Hydrangea arborescens grandiflora. We have the largest stock of strong, 2-year plants in America. Plants 2 to 3 ft., \$2.50 per doz.; \$15.00 per 100; \$140.00 per 1000; good plants, 15 to 20 inches, \$40.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

INSECTICIDES.

- Nicotinic kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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- Stump & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Scalecide.
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IRIS

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- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

- Ivy, English, pot grown plants, 4 in. pots, 3 ft. long, 3 to 5 branches, \$12.00 and \$15.00 per 100. A. L. Miller, Jamaica, opp. Schenck Ave., Brooklyn, N. Y.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St., New York.
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- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield, Mass., Dept. 8.
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LILACS

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LILIES

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LILY OF THE VALLEY PIPS

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NICO-FUME

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NIKOTEEEN APHIS PUNK

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New Berry Plants.
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Nursery and Florists' Products.
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- Bobbink & Atkins, Rutherford, N. J.
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- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

ONION SETS

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ORCHID PLANTS

- Stuart Low & Co., Enfield, England.
Burmese Dendrobiums and Other Seasonable Orchids.
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Fresh Imported and Established Orchids.
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- Carrillo & Baldwin, Mamaroneck, N. Y.
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- Ordenez Bros., Madison, N. J., Box 105.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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- Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
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- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. 'White' Cattleyas and Choice Cypripediums are leading features.

- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

OSMUNDA FIBRE

- C. W. Brownell & Co., Walden, N. Y.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

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- Julius Roehrs Co., Rutherford, N. J.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

C. W. Brownell & Co., Walden, N. Y.

Orchid Peat and Moss always on hand.
Jullus Roehrs Co., Rutherford, N. J.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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PEONIES

The E. G. Hill Co., Richmond, Ind.
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George Hollis, South Weymouth, Mass.
Seedling Peony Roots.

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

Henry A. Dreer, Philadelphia, Pa.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
Double Petunias.
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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trelises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Henry A. Dreer, Philadelphia, Pa.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Ronsderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch, 2c.; Obconica gigantea, mixed, 2 inch, 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. Fink, Pottstown, Pa.

PRIVET**CALIFORNIA PRIVET.**

500,000 3-yr. plants with 12 to 20 branches, have been transplanted once and cut back 2 yr., \$4.00 per 100; \$37.50 per 1000, packed. Will make a good, close hedge at once.

500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr., \$3.00 per 100; \$27.50 per 1000, packed.

1-yr. plants, 12 to 18 in., well branched, \$2.00 per 100; \$17.50 per 1000, packed. 500 to 1000 rate. Cash with order.
John Bennett, Atlantic Highlands, N. J.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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RIBBONS AND CHIFFONS

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R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.

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Wood Bros., Fishkill, N. Y.

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Schultheis Bros., Steinfurth, Germany.
Flower of Fairfield.

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Roses, own root, 2½ inch. Our list comprises among others the following standard commercial sorts: Pink Killarney, Richmond, Bride, Bridesmaid, Perle, Kaiserin and Ivory. We can furnish nice, clean, healthy, well established plants, carefully grown from selected stock, at \$5.00 per 100; \$45.00 per 1000. Also Maryland at \$6.00 per 100; \$50.00 per 1000; and White Killarney at \$8.00 per 100; \$75.00 per 1000. American Beauty \$9.00 per 100; \$80.00 per 1000. S. S. Pennock-Meehan Co., the wholesale florists of Philadelphia, Pa., 1608-1620 Ludlow St., Philadelphia, and 1212 New York Ave., Washington, D. C.

Roses, grafted, 2½ inch; done as they ought to be done by expert workmen on genuine Dickson Manetti stocks—only the most vigorous Manettis being selected, and all of the hardiest constitution. Far superior to plants grown on French and other continental Manetti stocks. We offer Pink Killarney, Richmond, Bride, White Killarney, Maryland, Bridesmaid, Perle, Kaiserin and Ivory: \$15.00 per 100; \$120.00 per 1000. S. S. Pennock-Meehan Co., the wholesale florists of Philadelphia, Pa., 1608-1620 Ludlow St., Philadelphia, and 1212 New York Ave., Washington, D. C.

The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SALVIAS

Salvia rooted cuttings, Bonfire and Spotted Beauty, \$1.00 per 100, \$8.00 per 1000; 2½-in., \$2.50 per 100, Swan Peterson Floral Co., Gibson City, Ill.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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C. C. Morse & Co., San Francisco, Cal.
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Peas and Beans, Contract Growing.
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Beans, Peas, Sweet Corn, Onion.

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True Irish Shamrock Seed.

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Winter Flowering Sweet Peas.

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Reliable Seeds.

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Flower and Vegetable Seeds.

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Seed Potatoes, Radish, Cabbage, Onion Etc.
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SHAMROCKS

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Leonard Cousins, Concord Junction, Mass.
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Shamrock. True Irish. Strong plants from 2 inch pots, \$5.00 per 100, \$45.00 per 1000. Cash with order. Frank Ochslein, 4911 Quincy St., Chicago, Ill.

George J. Hughes, Berlin, N. J.

SILKALINE

John C. Meyer & Co., Boston, Mass.
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SMILAX

Louisville Floral Co., Louisville, Ala.
Southern Wild Smilax.

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Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.

SPHAGNUM MOSS

C. W. Brownell & Co., Walden, N. Y.
Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.

Deming Spray Pump.

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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.

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SPRAYING OUTFITS

J. G. Mastin & Co., Chicago, Ill.
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STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

SULFOCID

B. G. Pratt Co., New York, N. Y.
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SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
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In writing to Advertisers kindly mention Horticulture

THYME

Thymus citriodorus aureus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild Plant Improvement Gardens, Santa Ana, Cal.

TRITOMAS

Tritoma Pfitzerii, red hot poker plant, \$6.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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Comet tomato plants for forcing, transplanted in flats, \$1.50 per 100. Cash. Lexington Ave. Greenhouses, E. Landsdowne, Pa.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Foley Mfg. Co., Chicago.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS
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WANTED. AMARYLLIS
SEEDLINGS FOR SALE.**

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**HERBACEOUS PERENNIALS,
TREES, SHRUBS, VINES,
ROSES, ETC.**

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G. F., care Horticulture.
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SILVER CUP OFFER, BY

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"STROKUM" TREE BINDING.

George Stratford Oakum Co., Jersey City, N. J.
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CERTAINLY!

Editor of HORTICULTURE:

Dear Sir:—I presume you do not object to receiving now and then an unsolicited tribute to the value of your publication, HORTICULTURE, as an advertising medium for those having anything in this line of business they desire to sell.

I recently advertised a greenhouse for sale, in three consecutive issues of your journal, and it brought me a customer within twenty-four hours of the publication of the last one. I later received inquiries from other buyers and have no doubt I could have sold another if I had it. I think your paper must be very widely read by florists generally.

Very truly yours,

A. H. HOBART.

Bridgewater, Mass., Mar. 1, 1910.

PERSONAL.

Lake Forest, Ill.—John Tipley is now gardener for A. B. Dick, succeeding J. W. Scharbenger.

Boston, Mass.—Chas. H. Carr formerly with Joseph Breck & Son, has taken a position with the Holmes Seed Co. of Harrisburg, Pa.

St. Paul, Minn.—Fred W. May has severed his connection with L. L. May & Co. and will engage in the nursery business at North Yakima, Wash.

James Rust, who has been on the M. F. Plant estate at Groton, Conn., has taken a position as foreman with Wm. Downs, on the Dumaesq estate, at Chestnut, Hill, Mass.

Rufus J. Lackland has resigned as president of the board of trustees of the Henry Shaw estate, St. Louis, on which he has served the past 20 years. Mr. Lackland's reason for resigning is the infirmities of old age, he being now ninety years of age.

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FRENCH GARDENER' SOCIETY OF LONDON.

On the 29th of January, the 21st anniversary of this society was held at the Cafe Royal, London, Eng. Monsieur Philippe de Vilmorin was to have occupied the chair, but owing to the floods in Paris was prevented. Monsieur de Lalande, the Consul General of France, was therefore invited to occupy the post. After the usual loyal toasts, Sir Albert Rolit made a splendid speech in his finest form, congratulating the society on having attained its majority and pointing out how it had by its influence contributed to the good feeling existing between English and continental gardens.

The chairman proposed the toast of the evening, success to the "Société Française d'Horticulture de Londres." Mr. George Schneider responded, saying that for a large measure of their success they were indebted to those English nurserymen who had found places in their establishments for the young men who came across the Channel to learn English and perfect their knowledge of horticulture. He drank prosperity to English horticulture. Mr. Harry Veitch, of Chelsea, responded. Other toasts were "Officers of the Society," "Past Presidents," "The Press" and "The Chairman," the speakers being Mr. H. B. May, Edmonston, M. Guilloud, T. Bevan, etc.

It was resolved that a telegram of sympathy be forwarded to Mr. Ph. de Vilmorin. It was also resolved that a collection be made in aid of the fund opened by the Lord Mayor for the sufferers by the Paris floods. The sum of \$500 was the result.

Several letters were read from friends unable to be present, among them one from M. Louis Gentil of Brussels, the editor of "La Tribune Horticole" and a former secretary of the society. The dinner was well supported both by French and English amateur and professional gardeners. At the close of the proceedings a presentation of a handsome Sevres vase was made to Mr. George Schneider, the chairman of the society, in recognition of his services to the young Frenchmen resident in London. C. HARMAN PAYNE.

HELP WANTED

Wanted, Assistant Gardener

Swede, particularly experienced in ordinary greenhouse work as well as in the culture of grapes and nectarines under glass.

Address—H. J. B., Horticulture

AN EXPERIENCED NURSERYMAN

For propagating shrubs, herbaceous and bedding plants. State references, age and wages wanted. Address

Rhode Island Nurseries, Newport, R. I.

WANTED—A foreman, well posted in trees, shrubs and perennials, to take charge of park plantings, street and park trees. Must be able to design and execute planting plans and know how to handle men. Promising position for right man, single man preferred; give references and state salary wanted. Address Theo. Wirth, Supt. Parks, Minneapolis, Minn.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED

As manager for gentlemen's place, public institution, park, cemetery, etc.; practical experience in all branches; reference, first-class. Address with particulars, C. L., care Joseph Linfoot, 1015 E. McMillan St., Cincinnati, O.

SITUATION WANTED—By English gardener and florist, married, age 40, 20 years' experience in this country, in the growing of mums, carnations, bulbs and general line of potted plants; exceptionally good on design work; can furnish the best of references as to habits, etc.; good wages expected and permanent position; give full particulars in first letter. Address Box 110, West Medway, Mass.

SITUATION WANTED—By German, 44 years of age, single, good grower of vegetables and flowers under glass and out doors; 13 years' practical experience in a White Mountain summer resort. Can furnish good references. Address with particulars, Julius Shuenhoff, care J. V. Tilton, Wellesley, Mass.

SITUATION WANTED—By a good grower and designer; retail place near Boston preferred; fair wages expected. M. M., care HORTICULTURE.

FOR SALE

FOR SALE THE NORWICH (CT.) NURSERIES

Conducted for 35 years by the late Stephen Crane, and by me for seven years. This is a solid, reliable, live business. Offered only because the owner has other business, occupying his entire time. Address for terms and interview,

O. E. RYTH, Prop.,
Norwich, Ct.

FOR SALE—Greenhouse property with or without stock; 4 houses, with 6000 ft. glass; also barn and sheds; room for more houses. Greenhouses one year old. Second floor barn finished for living purposes. Geradt & Co., Room 1008 Union Bldg., Newark, N. J.

FOR SALE—Special 16 x 18 and 18 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 60 Montrose Ave., Brooklyn, N. Y.

For San Jose Scale, and to Improve Health of Tree and Shrub.

BOWKER'S

Concentrated

Lime-Sulphur

Made in New England. FRESH from Factory to User.

NOW IS THE TIME TO ORDER Lime-Sulphur, which should be used while the trees are dormant. It destroys San Jose and all other Scale Insects and fungous spores wintering on the bark. It improves the health of the tree by destroying the mosses and lichens. As J. H. Hale says: "It smoothes up the trees."

All ready to use by adding cold water. No boiling, no special mixing plant required; no guesswork as to formula. Just add **cold** water, and spray.

Before spraying your orchard, post yourself about Bowker's sprays.—Write today for prices.

BOWKER INSECTICIDE COMPANY,
43 Chatham St., Boston, Mass.

Manufacturers of Bowker's PYROX for fruits and vegetables.

CHICAGO NOTES.

Joliet Jottings.

An additional range of houses is in contemplation to be erected the coming spring by the Thompson Carnation Co. This company has been handicapped by a suit which has been in the courts for a long time, but a termination is now expected. Chas. N. Fish, manager, is looking forward to extensive improvements as soon as litigation ceases.

The Chicago Carnation Co.'s excursion to Joliet, briefly mentioned in our notes last week, was much enjoyed. Manager Pyfer was very attentive and hospitable. The three new favorites, Mary Tolman, Sangamo and Conquest, were especial objects of interest. Each of a decidedly different order, seems sure to be a winner in its class. Under the supervision of Mr. Peterson, the six carnation varieties to which they confine their stock reach a stage very near perfection. They

also have young stock of violets and chrysanthemums ready for immediate delivery, and which are listed in another part of this paper.

Irish Soil for the President.

Twelve square feet of real Irish sod have been called for to make a miniature Emerald Isle upon which President Taft will stand to deliver his address to the Irish Fellowship Club in Chicago, March 17th, at the La Salle Hotel. It will be sent by express and is expected to reach here a week in advance of the day. It will be taken to a greenhouse till used, and after the eventful night it is planned to have it preserved for future transplanting in some one of Chicago's parks.

The Easter Lily Outlook.

The prospect of lilies for Easter is the all important topic among the growers. Considerable anxiety is expressed and various devices are resorted to to coax the plants into bloom. One Chicago firm has put in a small boiler on purpose to help out his lily

house, and by overhead pipes will keep the temperature high enough to bring out the blooms—providing it does not work some other way. Another firm has tried heavy feeding, and still another high temperature and no feeding. A few weeks of sunshine would do more good than anything else.

A Boulevard Scheme.

A good scheme proposed by a landscape gardener is the transforming of the old abandoned Illinois and Michigan canal bed into a great state road for automobiles and other vehicles and a path for pedestrians. It would reach far into the state of Illinois and at suitable points could be enlarged into small parks. The banks could be planted with trees and shrubs and a branch road extended to historic Starved Rock and into Deer Park. An unsightly object would be changed into something beautiful and extremely useful. O. C. Simonds has the credit for the practical suggestion. The Illi-

nois Manufacturers' Association is interested in the proposition.

A Chicago Lady Florist.

Under the title of a Successful Woman Florist, Miss Charlotte Megchelsen has been given a very flattering "write-up" in the Sunday Tribune. Miss Megchelsen has been in business ten years and has attained a very fair degree of success. She thinks her first mastering the principles of bookkeeping has had much to do with her ability to successfully conduct the business. Personally, the writer would add that the attractiveness of the store and never failing courtesy of the proprietor are also very strong factors in her success as a business woman.

Destroying the Sky Line.

Chicago club women are opposed to the ordinance now pending, allowing billboards to be placed upon buildings not more than eight stories high. They are thoroughly in earnest in their opposition and have sent resolutions condemning the proposed ordinance to each member of the council.

Around Town.

Some very severe weather was experienced last week when the thermometer dropped far below zero. Some growers report as low as 16 deg. in their vicinity.

Frank Oechslein was the pioneer shamrock grower of Chicago. This year has a still larger stock than last year. His advertisement appears in another part of this paper.

The Chicago Rose Co. will have the first floor in the Fairbanks building and occupy the basement as soon as the rooms are ready. An entrance from the sidewalk has been made.

Chicago florists are not feeling much anxiety over the threatened strike of the elevator men, as nearly or quite all, both wholesale and retail, have their places of business either on the first floor or in the basement.

Every florist in the down-town district, and many who are not, will be willing to admit that the amount of bulb stock grown this year is more than can be used to advantage. But the Holland salesmen will talk bulb sales just as fluently next year and quite probably just as persuasively.

Personal.

Richard Gloede of Evanston fell on the ice and very severely injured himself, breaking his collar bone and injuring his shoulder blade.

John Sinner, manager of the Flower Growers' Market, states that the rumor that the market is to move from its present quarters to make room for a cafe is false. They have their lease for their present quarters.

John Starrett, for several years in the wholesale store of Bentley & Coatsworth, is now holding the position of decorator at the La Salle Hotel. Friedman no longer has a stand in this hotel, the management placing all their work in charge of Mr. Starrett, who is well fitted for the place.

Visitors: G. L. Freeman, Holyoke, Mass.; James Bouten, Minneapolis, Minn.; Geo. F. Crabb, Grand Rapids, Mich.; Andrew Anderson, Batavia, Ill.

A long distance telephone has been installed at Leonard Cousins, Jr.'s es-

Immediately Available Plant Food EVERGREEN BRAND FLOWER FERTILIZER

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

D. D. Johnson, 64-66 Wabash Ave., Chicago.

Write for further information

The Mastin Automatic White-wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.

The pump is of brass throughout, simple and powerful.

The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.

All parts are made to gauge, and may be had for repairs.

Just the thing for distributing liquid fertilizer in greenhouses.

Ask your dealer about our EXTENSION HOSE, EXTENSION RODS, and the MASTIN WHITE-WASH NOZZLE for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co.,

3124 West Lake Street
CHICAGO, ILL.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face $4\frac{1}{2}$ inches wide, nozzle $6\frac{1}{2}$ inches long; $\frac{3}{4}$ inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

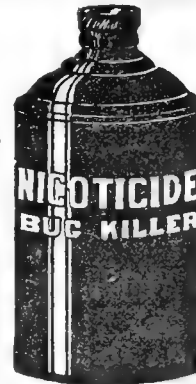
25 lbs., \$1.00
50 lbs., 1.75
100 lbs., \$ 3.00
500 lbs., 14.00
1000 lbs., \$27.00
2000 lbs., \$52.50

Stump & Walter Co.
50 Barclay St.,
New York.

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



The Best
Bug Killer and
Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for white-bell, fire blight, and various other diseases. Use it, the "Demic Spray Pump" will save time and trouble and does better work.

Demic Spray Pumps
The Demic Spray Pump is the best for garden spraying. It is simple, efficient, and durable. It is made of brass and steel and is guaranteed for all uses. As a matter of fact, it is the best for all uses.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

establishment in Concord Jct., Mass., the number being 82 Concord. Orders are coming in nicely for shamrocks, of which many thousands are grown. They will be in fine shape for St. Patrick's Day.

In ordering goods please add "I saw it in HORTICULTURE."

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street,
LONG ISLAND CITY, N. Y.**
**A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.**
**452-460 No. Branch St.,
CHICAGO, ILL.**
**GREENHOUSES BUILDING OR CON-
TEMPLATED.**
Groveville, N. J.—Wm. Robinson, one house.

Middletown, Conn.—Stewart Ritchie, Green End Ave., one house.

Garrettsford, Pa.—David Anderson, two houses each 25x150 feet.

Chicago, Ill.—Emil Buettner, four rose houses the coming season.

Taylorville, Ill.—Ludwig Schrott & Son, one general purpose house.

Buffalo, N. Y.—W. K. Smith, 233 Dearborn St., new house this spring.

Bath, Me.—Paul M. Olm, addition, 8,000 square feet of glass, this spring.

Toronto, Ont., Can.—D. Cooper, Dundass St., one house in rear of his store.

Lexington, Ky.—Miller Bros., Maxwell St., office, to cost approximately \$200.

Nappanee, Ind.—Chas. A. Doswell, South Main St., one house the coming season.

New Haven, Conn.—Charles Munroe, 974 Chapel St., palm room in rear of florist shop.

Yeadon, Pa.—Wm. Didden, two semi-iron frame King Construction houses, each 28x175.

Adams, Mass.—A. J. Boothman, three iron frame houses 35 x 58 the coming season.

Montreal, Quebec.—Messrs. Hains & Hopton, chrysanthemum house and mushroom house.

Welland, Ont., Can.—A. B. Ivey, five steel greenhouses this summer, three 25x600, two 25x450.

Garrettsford, Pa.—David Anderson, two iron-frame King Construction houses, each 35x150.

Tomah, Wis.—Louis Storkel, two houses, one 18x65, one 18x125. A boiler will be added to the heating plant.

Aurora, Ill.—Engledew & Co., Fabyan Greenhouses, will entirely rebuild this spring and abandon the old houses.

Greensburg, Pa.—Joseph Thomas, one iron frame rose house, 57 x 100 ft. Mr. Thomas has 14 greenhouses with an area of 46,000 feet, exclusive of the new house to be erected, and cultivates 70 acres of land.

Lansdowne, Pa.—Wm. A. Leonard has let a contract to Lord & Burnham Co. for two rose houses, each 28x300. Mr. Leonard grows Killarney, Maryland and Richmond and grafted stock only. The new houses will be filled with Killarney exclusively.

Lansdowne, Pa.—Aug. V. Doemling, two rose houses, 21 x 200 ft., semi-iron Lord & Burnham construction. He now has 11 houses with an area of 45,000 square feet of glass and cultivates five acres of land. He ships roses and cut flowers to the New York market.

PATENTS GRANTED.

950,008. Lawn Mower. James H. Pearson, West Plains, Mo.

950,230. Fertilizer Distributor Attachment for Cultivators. Enggbret Jensen and Frank W. Austin, Wheatfield, Ind.

950,303. Hand Planter. Lewis R. Power, Paw Paw, Mich.

950,412. Land Roller. Ammi H. Smithson, Prospect, Ohio.

950,056. Seed Planter. William A. Wilson, De Leon, Texas.

Poughkeepsie, N. Y.—Chas. Mitchell will move his greenhouse building factory from 8 Winnikee Ave. to the end of the same street.

FIRE RECORD.
Park Ridge, Ill.—The greenhouses of Edward Meuret were slightly damaged by fire Feb. 1st.

Mankato, Minn.—E. C. Willard's greenhouse was entirely destroyed by fire recently; probably no insurance.

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**Florist specialties
New Brand New Style,
Hose "RIVERTON"**
Furnished in lengths up to 500 ft. without seam or joint.

1 the HOSE for the FLORIST
8 1/2 inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
2 Reels, 1000 ft., 14 c.
1/2 inch, 13 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished.

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Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thousands in use.

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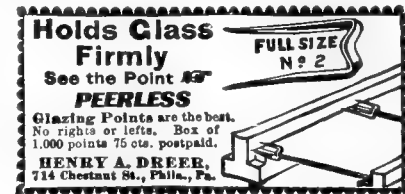
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Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/2 " " " 5.25	120 7 " " " 4.20
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crate \$3.60
450 4 1/2 " " " 5.24	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
210 5 1/2 " " " 3.78	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hillfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.


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If your greenhouses are within 500 miles of the Capital, write us, we can save you money.

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28th & M Sts., Washington, D. C.

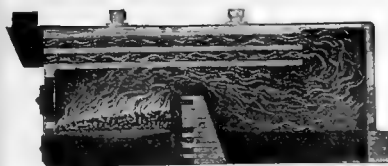
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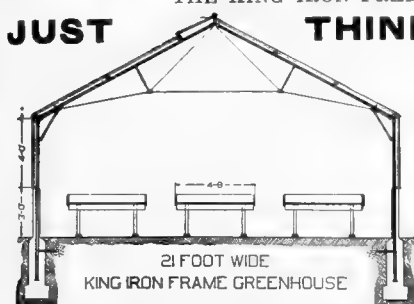
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"ASK THE MAN WHO HAS ONE"

"THE KING IRON FRAME House has made good."

JUST THINK WHAT IT MEANS



21 FOOT WIDE
KING IRON FRAME GREENHOUSE

Easiest to Erect

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**42' 0" HOUSE STANDS
"LIKE A STONE WALL"
IN 70 MILE GALE**

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House 42 x 130

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4 Houses 28 x 200

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32 feet or longer
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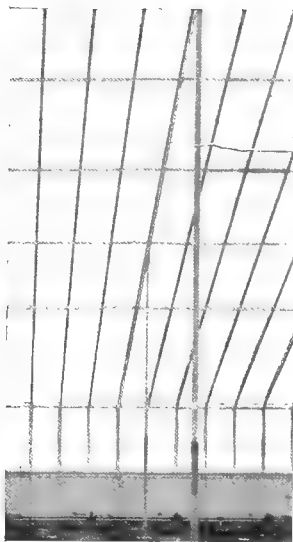
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steam, water, gas or oil, also for
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Here is an interior view of L. B. Coddington's rose house at Murray Hill, N. J. The photo was taken, looking toward the side, to show you how light—how extremely light—and still how thoroughly the roof is framed.

You can scarcely tell the eave plate from the angle iron purlins, it is so light.

This is a construction that you can absolutely depend on as being proof against high winds and heavy snows.

When you are ready to build, write us.

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HORTICULTURE

VOL. XI

MARCH 12, 1910

NO. 11

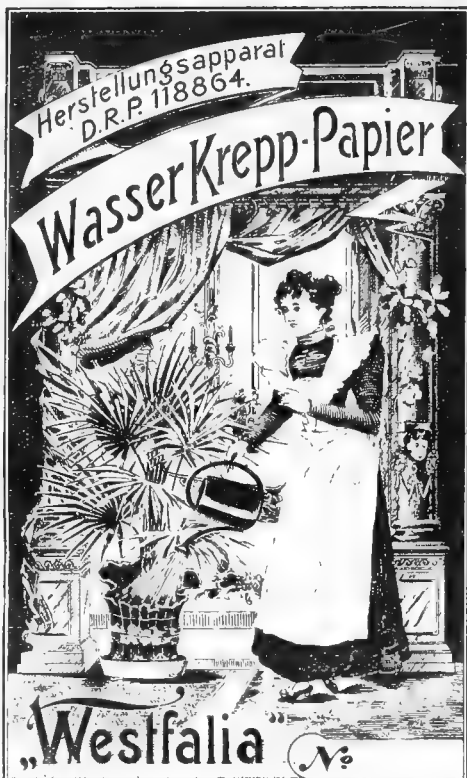
Easter

Spring
Trade Month

PUBLISHED EVERY SECOND MONTH

— 45 —

WILLIAM B. EMMETT, EDITOR



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	2 inch	3 inch
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Bay and Box Trees, Euonymus, Eurya latifolia, Araucarias, Asparagus, Adiantums, Crotons, Arceia lutescens, Cocos, Kentias, Latanias, Phoenix, Rubbers, Pandanus, Small Ferns for Dishes in the best sorts, as well as many other Decorative and Foliage Plants at Lowest Wholesale Prices. Also rooted cuttings of Double Petunias at \$15.00 per 1000, very best varieties.

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Strong 2½-in. stock, \$25.00 per 100.

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Killarney, White Killarney, My Maryland, Bride, 'Maid, Richmond, Golden Gate, Mrs. Jardine and Chatenay, all \$15.00 per hundred.

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ited quantity of fine rooted cuttings for April delivery, which, from past experience, however, won't last long. Meanwhile our

Carnation Dorothy Gordon

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Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

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Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

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MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

PRICE: Rooted Cuttings, \$2.00 per 12, \$12.00 per 100, \$100.00 per 1000. 25 at the 100 rate; 250 at the 1000 rate.

Plants from 2 inch pots \$15.00 per hundred.

ALMA WARD all sold.

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The best cuttings that can be had, and at right prices.

Now booking orders for early delivery.					
	Per 100	Per 1000		Per 100	Per 1000
WHITE			WHITE		
Oct. Frost.....	\$2.00	\$15.00	T. Eaton.....	\$2.50	\$20.00
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Touset.....	2.00	15.00			
A. Byron.....	2.00	15.00	PINK		
Wanamaker.....	2.00	15.00	Balfour.....	2.00	15.00
White Cloud.....	2.00	15.00	Enguehard.....	2.00	15.00
			YELLOW		
			Golden Glow.....	2.00	\$15.00
			Monrovia.....	2.00	15.00
			Oct. Sunshine.....	2.00	15.00
			Appleton.....	2.00	15.00
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Carnation cuttings in best varieties, also, **BEACON** one of our best.

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JOLIET, ILL.

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New, brilliant, glistening pink carnation for 1910

\$12.00 per 100.

\$100.00 per 1000

A. C. BROWN,
Springfield, Ill.

CHICAGO CARNATION CO.
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A New Seedling
Carnation :: ::

Conquest

light pink, overlaid with a deep rose pink, the color extending over the petals from the center almost to the edge. The most attractive Novelty for 1910. \$12.00 per 100; \$100.00 per 1000.

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A NEW LIGHT PINK CARNATION FOR 1910

\$12.00 per 100. \$100.00 per 1000.

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Burpee's "Re-Selected" Gigantic "Orchid Flowered" SWEET PEAS

OF THE

True "Spencer" Type

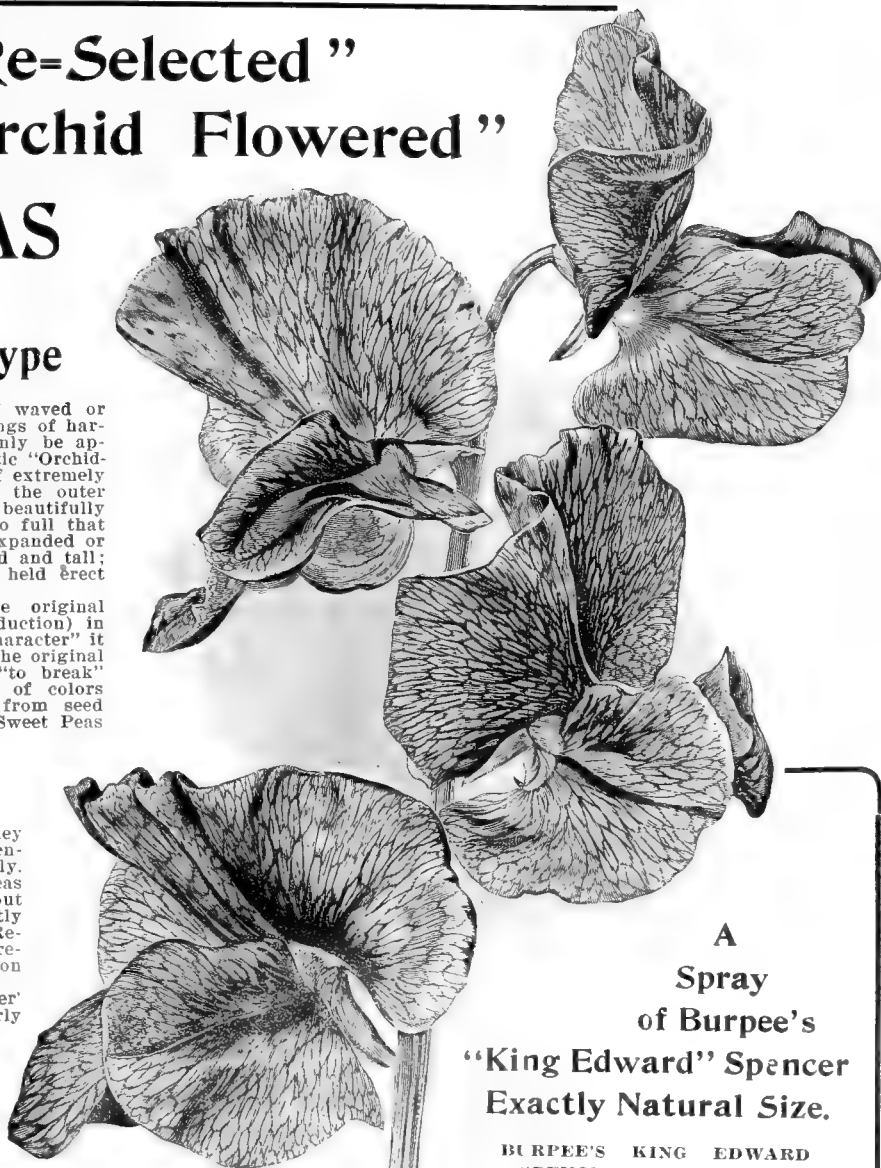
Because of such enormous size, of waved or fluted appearance and charming blendings of harmonious colors, this **New Type** can only be appropriately described as Truly Gigantic "Orchid-flowered." The flowers are not only of extremely large size, but are distinct in having the outer edges of the standard and wings beautifully crumpled or waved; the tissue being so full that there is not room for it to lie flatly expanded or smoothly rolled. The standard is broad and tall; the wings are broad, well spread and held erect by the keel.

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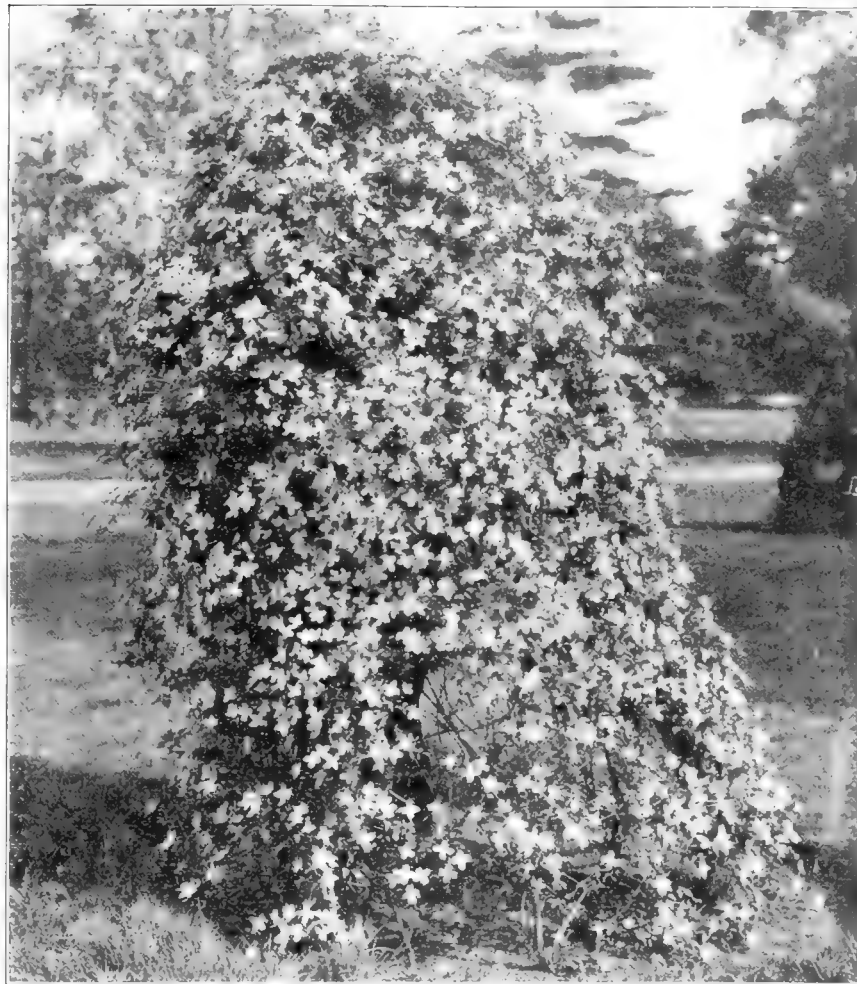
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DAHLIAS Every Day in the Year

Plant Novelties From China

Climbers are an important element in the Chinese flora, and many of them rank amongst the most desirable of their class for ornamental purposes—*Wistaria sinensis* and *Ampelopsis Veitchii*, for example. Climbing plants are useful in a great variety of ways and add beauty and charm wherever planted.

In a state of nature climbers affect woodlands and thickets, either scaling tall trees or rambling over shrubs. The plants they grow among and climb over serve not merely as supports, but also afford protection from draughts. In planting climbers it should always be borne in mind that the majority object strongly to exposure to draughts. Often one sees elaborate structures of wire fencing, etc., erected for training climbers upon, yet the plants do not thrive under such conditions nearly as well as when planted at the foot of an old wall, base of tree trunks, or with rough, bushy stakes to trail over. The explanation is to be found in the fact that the simpler methods afford better protection from cold draughts.

Of the flowering climbers undoubtedly one of the finest and



CLEMATIS MONTANA VAR. RUBENS

As Grown in Kew Gardens.



CLEMATIS MONTANA VAR. WILSONI

As Grown by Messrs. Veitch.

most popular class is *Clematis*. This genus is abundant in China, where no fewer than 65 species occur. Among them we have *Clematis florida* and its varieties, parents of the reputed hybrid *C. Jackmani*. One of the commonest and most widely distributed of all species is the old and well-known *C. montana*. This is an extremely variable plant and several of the forms are great improvements on the type; indeed, some of them are worthy of specific rank. Omitting the garden forms of clematis, we have in *C. montana* var. *rubens*, undoubtedly the most strikingly beautiful of all known clematis. This plant, native of the mountains of western Hupeh, is hardier than the type and very distinct in every way. The foliage is dark in appearance, somewhat fleshy, reddish below and occasionally with a light grey band down centre of leaf on upper surface. The flowers are each two to three inches across, bright rosy red, borne in clusters in the axils of the leaves on the old wood. Its culture is of the simplest, a sunny position and a liberal supply of water at the roots being the essentials. It flowers in a small state and the color, unique in the genus, compels attention by its attractive brilliancy. The

floriferousness of the plant is well shown in the accompanying illustration prepared from a photograph taken in the Royal Gardens, Kew., in early June of last year. By planting "rubens" and the old white flowered form side by side and letting them intermingle a wonderfully fine effect would be obtained.

Clematis montana var. *Wilsoni* is an August flowering form with large axillary clusters of pure white flowers, each two to three inches across. The foliage is bright green with leaflets larger than in the type, ovate-cordate, wrinkled above. *C. montana* var. *sericea* is an early (late May and June) flowering form with hairy leaves and pure white, solitary, axillary flowers, three or four inches across, borne on stout stalks six inches long. Both these varieties are na-



CLEMATIS ARMANDI

tives of the upland thickets of the Chino-Thibetan borderland, but are local in their distribution.

The above three forms are easily propagated from cuttings in the ordinary way and come true from seed, the latter fact proving that they are well fixed varieties if not distinct species.

Another fine *Clematis* is *C. Buchaniana*, a strong-growing species with pinnate leaves and erect, axillary panicles, eight or nine inches tall, of nodding, tubular, pale yellow flowers, which are borne in great profusion.

A hardy evergreen *Clematis* was a desideratum in gardens until the introduction of *C. Armandi*. Given the protection of a few pine branches, this species will in all probability succeed here in New England. Indeed, Messrs. Farquhar declare it to be seemingly quite hardy with them at their Roslindale Nurseries. In a general way this new *clematis* may be likened to the old greenhouse favorite, *C. indivisa*, a native of New Zealand. The leaves of *C. Armandi* are 3-foliolate and leathery; the leaflets are ovate, six inches long,

two and a half inches wide, acuminate, sometimes cordate at base, prominently veined and glabrous. The flowers are borne on the old wood in axillary clusters and vary from a dozen to thirty in a cluster. The individual flowers are about two and a half inches across, white, often rosy-pink on the back, and fragrant. This species is a rapid grower and flowers in April. On scrub-clad mountains in Central and Western China, between 2,000 and 4,000 feet, it is very common festooning bushes and rocks, and when in flower presents a picture not easily forgotten.

Lonicera tragophylla is a new climbing honeysuckle of much merit. In habit and general appearance it resembles the common *L. Caprifolium*. The leaves are ovate and glaucous, the flowers rich golden yellow and produced in terminal heads. Each head bears 10 to 20 flowers, each five or six inches long, tubular and slightly fragrant. A woodland species of rapid growth *L. tragophylla* is a distinct acquisition, but it objects very strongly to the knife. Planted in a partially shaded place and trained to a stout pole, or, better still, at the foot of a deciduous tree and allowed to ramble at will, this species presents a beautiful sight when in flower.

Actinidia is another beautiful class of climbers, but, unfortunately, with the exception of *A. arguta* of doubtful hardiness hereabouts. The finest of all, *A. chinensis*, is fairly hardy across the water, but annually gets cut to the ground in the Arnold Arboretum. If planted in woodlands or in a sheltered situation it might possibly come through in better shape and its ornamental character is so great that it deserves a thorough trial. In a wild state *A. chinensis* is a woodland plant, scaling to the tops of tall trees. The leaves are ovate to orbicular, six to nine inches long, and together with the young growths covered with masses of reddish hairs. The flowers are pure white, quickly changing to buff-yellow, one to two inches across, deliciously fragrant and produced in utmost profusion. These flowers are either all male or male and female, and it is plants having the latter flowers (which by-the-by, are twice the size of the male flowers) which are needed in order to secure a crop of fruits. These fruits are oval to roundish, $1\frac{1}{2}$ to $2\frac{1}{2}$ inches long, 1 to $1\frac{1}{4}$ inches across, with a thin brown, more or less hairy skin. The flesh is dark green, luscious, with small seeds imbedded therein. The flavor somewhat resembles that of a good gooseberry. This fruit is delicious as dessert and makes a fine preserve.

With its handsome foliage, fragrant and ornamental flowers and delicious fruit *A. chinensis* possesses all round qualities seldom combined in a single plant, and those who succeed in its culture will be amply repaid. Though discovered by Robert Fortune as long ago as 1849, the writer was the first to introduce it to the Occident. Further, he was privileged to be the first to introduce the fruit to foreign residents at Ichang and other parts of western China. These residents have dubbed it "Wilson's Gooseberry," and he will be pleasantly remembered in China by this fruit when his work is probably forgotten there.

S. W. Wilson.

John Cook in Florida



GARDEN OF PALMS AND CROTONS AT MIAMI, FLA.
Growing in 12 inches of sand on coral rock

Dear Mr. Editor:—Thinking that a few lines from this tropical part of Florida would interest some of your readers I will give some of my observations. I also send a photograph of some palms in front of a private house. The soil—or rather, the sand—is only from 8 to 12 inches deep underlaid with coral rock and it is a mystery to everybody how the plants can grow. Arriving in Miami, Nov. 5th, the first thing that strikes one is that all the gardens are planted with tropical material. On the porches are Bougainvilleas in full bloom, also *Solandra grandiflora*, a very striking flower, *Allamanda Williamsi*, plenty of the beautiful so-called “Mountain Rose” *Antigonon leptopus*, one plant of which reached to the second story of a house and then grew all over a tree covering it with one sheet of flowers—a sight never to be forgotten. The *Bignonia capreolata* is also largely planted and is always in bloom. Just now the *Bignonia venusta* is in bloom; it covers verandas and stone walls with a mass of flowers. All the gardens of the residential part of the city are planted with crotons, acalyphas, pandanus, both green and variegated—some specimens 10 feet high can be seen—magnificent plants of *Russelia juncea*, 10 ft. in diameter, in full bloom; Aloes, some in bloom; Chinese hibiscus in full bloom—all of which gives the city a flowery appearance. *Vinca alba* and *rosea* are also everywhere to be seen; it has gone outside and is acclimated.

The gardens have hedges mostly of the beautiful *Phyllanthus rosea picta*; this plant colors up beautifully down here. Acalyphas also make beautiful hedges. I saw one of the latter in the country around an orange grove and it was 8 ft. high, also a few hedges of *Aralia Guilfoylei*. *Aralia filicifolia* and *elegantissima* make beautiful single specimens. *Euphorbia Poinsettia* are largely planted and still in bloom. *Asparagus Sprengeri*

also does well amongst the flowering shrubs. The *Tecoma stans* with its golden yellow trumpet-like flowers is very attractive.

There are a good many flowering shrubs and trees that have been introduced here from the Bahamas and West Indies. In palms the cocoanut predominates because it is both useful and beautiful; almost every garden has its cocoanut. Next in number is the “Royal Palm” *Oreodoxa regia*, which is a noble palm, growing to a great height. Going up the Miami River I saw a single volunteer specimen fully 80 ft. high, standing out boldly like a sentinel guarding the Everglades. There are also some Phoenix and Washingtonias to be seen in the gardens.

The Royal Palm Hotel has about ten acres devoted to gardening. Here are large beds of crotons, 100 feet long and 75 feet wide and plants 4 or 5 ft. high. Here is a very large pandanus in fruit; it resembles a green pineapple. A splendid avenue of Washingtonias about 40 ft. high runs from one end of the place to the other. On each side underneath is a row of tropæolums and a walk between; on the edge is an oleander hedge coming into bloom now. This place has a great variety of trees and rare shrubs, Acalyphas—single specimens and hedges—hedges of the beautiful *phyllanthus* everywhere. The long flowerbeds consist of sweet alyssum, geraniums, petunias and tagetes. There are large rubber trees, amongst them a *Ficus nymphiifolia*. The *Eriodendron* or Ceiba tree, called “Silk Cotton,” was in full bloom; the flowers look like a scarlet magnolia; it blooms without leaves. There is a very large lath house filled with a collection of plants, mostly palms, for indoor decorating. This place is in charge of Mr. Andrews, a very courteous gentleman.

A trip to the U. S. Experimental Station is very inter-

esting. It is mostly devoted to the growing of fruits. Mr. Simmons is in charge and is tireless in showing visitors everything of interest. A long lath house here is devoted to the vanilla plant and had quite a nice crop on. Plenty of seedlings of Avocata pears for budding on other varieties are seen. Some of the budded ones have made a fine growth. Mr. Simmons has also done some crossing in the orange line. Everything is in good order. The most remarkable flowering tree around here is the Poinciana, a large flat-headed, fast growing tree which is covered all over with brilliant scarlet flowers in May.

John Cook

British Horticulture

THE PREMIER HORTICULTURAL SOCIETY

An encouraging record of continued progress characterized the annual report presented at the recent annual meeting of the Royal Horticultural Society. It was announced that negotiations had been in progress for holding the International Exhibition of 1912 in the grounds of Chelsea Hospital, London, but nothing definite has yet been fixed. A proposal to hold a flower show under the auspices of the society at the Royal Agricultural Society's show at Liverpool this summer has fallen through. In the course of the discussion some criticism was passed on a proposal to spend £3,000 for the republication of Printzel's "Incones Botanicarum." It was suggested that the existing type-written copies might be brought up to date instead of the expense of printing the work being undertaken. Rev. W. Wilks, the Secretary, pointed out that the type-written copies were imperfect, and therefore, of little practical use. At present the matter stood in abeyance, owing to the indecision of the American Universities. The report and balance sheet, showing a satisfactory surplus on the year's working, were approved. Sir Trevor Lawrence, the president, at the close of the formal business handed to Mr. J. H. Goodacre and Mr. A. Mackellar Victoria Medals of Honor, and a Veitch medal to Mr. W. H. White, the recipients also receiving the hearty congratulations of Sir Trevor for the distinguished position they had attained in the horticultural world.

ITEMS OF INTEREST

The British Gardeners' Association has raised a protest against the appointment of a military man as Chief Officer of the Parks Department, under the London County Council.—A letter has lately appeared in the Press from Mr. Herbert Bell, suggesting the formation of a federation of horticultural societies. The matter is being discussed by the executives of these organizations.—The National Fruit Growers' Association held their annual meeting this week. In addition to the routine business there was an animated discussion on the question of protective tariffs in the interests of fruit growing. There was a diversity of opinion as to the advantages of the existing system of free imports, under which the country is inundated with foreign fruit and vegetables in times of plenty.—The Royal Horticultural Society has arranged for trials to take place at Wisley during the coming season of autumn fruiting strawberries, early out-door flowering chrysanthemums, rhododendrons, and other flowering plants.

W. H. Adsett.

London.

The Blue Rose



Thanks to Messrs. Ellwanger & Barry, who have sent us the photograph, we are enabled to show our readers a picture of this extraordinary novelty Veilchenblau. The variety is of German origin. While not perfectly blue it is regarded as a forerunner of that long sought curiosity. The color, on first unfolding, is purplish pink, then amethyst, and finally steel blue. The yellow stamens make a sharp contrast to the petals. One characteristic is satisfactorily shown in the picture—that of floriferousness. The photograph from which the engraving was made was taken in Ellwanger & Barry's greenhouses, February, 1910.

Means for Extending the Flower Demand

How are the growers to find profitable markets to dispose of their constantly increasing production? This seems to be the burning question among many of the leading florists in the Eastern cities. It has at least become the interesting topic of discussion where it has recently been the privilege of the writer to come in contact with those prominently identified with floriculture. In nearly every instance where the subject was discussed the conclusion reached was that growers should restrict their production so that they may realize better prices. In only one case was it argued that the way is open to create a better demand for flowers if up-to-date business methods, which have been successfully tried out in other lines of industry were instilled into the florist trade, but this line of reasoning met with the contention that flor-

iculture is in a distinct class by itself and cannot be developed along lines which other businesses have adopted to find outlets for their ever increasing production. The existing conditions that confront the grower will, however, sooner or later require just some such methods as are being practiced by big manufacturers. The styles and fads must be created. Through some sort of campaign of education the public must be made interested in flowers so that they will be adopted for more general and frequent usages, than is the case now. It must be shown that the home can be made more cheerful when liberally surrounded with plant life and that no social event of any kind is complete without flowers and foliage. The styles must be revived to make it non-fashionable for the well-gowned woman to appear without the corsage bouquet, either in her street garb or in the ball room gown. The well-groomed man must wear his carnation with his business suit; the afternoon caller or matinee idol should not be regarded in proper form without his violet boutonniere; nor should he be considered in correct dress if his evening wear is not adorned with the rose. Such customs can again be brought into vogue if the florists will only get together and make the public "acquire the habit." Many in the trade will probably say that such a proposition is not feasible, which, on the other hand, if it is possible of accomplishment, (and there is no reason why it cannot be through a proper campaign) will undoubtedly mean an increased consumption in the cut flower market. It is only necessary to walk on Fifth Avenue, in New York City, on a fine afternoon, or watch the women enter the theatre, matinee or evening, to note how the fashion for the wearing of flowers has again been revived—but you will not observe the product in which you are interested. You will instead witness that the wearers are parading with artificial roses, violets, or orchids. The style for flowers is here again, but the way was left clear to the makers of imitation flowers, by the growers of real flowers, to work up a market for their ware. No one will deny that where the artificial is now so freely worn, there certainly must be a way of forcing preference for the natural, and this task should not be difficult if it is attempted through an organized system. To bring about this result, ridicule will readily arouse those who have adopted the artificial creation to the fact that the real and not the bogus should be part of the adornment of the well dressed. We are told that in a western city, recently, the flower dealers paraded a number of darkies, masquerading in the costumes of society and liberally covered with the made flowers, on the fashionabe thoroughfare during the hours society was on parade. The effect is said to have been that the artificial fad was doomed in that locality. What the florist trade requires is that all its members from the growers to those of the humblest retailer become awake to the fact that business, in these days of great production, must be created and then developed. In every line of industry whether it is in the manufacturing, or coming from the soil, publicity and judicious advertising is accomplishing this in many directions where a few years ago any such attempted methods would have been regarded as foolhardy. The problem of the florist, to create ready and profitable markets for his productions, is a matter that can be solved. Concentrated energy skillfully directed, is the solution.

M. R. B. L.

Dianthus barbatus



During the later part of last June when passing through one of our northern sea coast summer resorts I saw in a distance off the street a very bright display of flowers. The grounds rising, the bed had as background a low branching clump of native spruces. The contrast of the vivid colors against the dark evergreens behind was simply grand and I noticed even people in carriages stopped on the road for a few minutes to enjoy the pretty floral spectacle. Horticultural curiosity led me to trespassing and upon coming nearer I beheld an extraordinarily well grown bed of Sweet Williams dazzling in all shades from almost black to snowy white. Aside from reminiscences of the past with her old village and farm gardens abroad wandering through my mind, I wondered how it often happens that in the present mania for novelties we overlook plant species of sometimes even high ornamental merit, simply because in our imagination they appear out of fashion or otherwise too antiquated.

Dianthus barbatus is a biennial just as effective for garden planting today as it was a hundred years ago. In fact, I have of late noticed quite a number of decided improvements, both in form and shades, which make Sweet Williams still the more desirable. Seed offered by reliable firms in separate colors to a high percentage comes true. It is best not to sow it any later than in May. Seedlings should be pricked off in flats first and therein gain sufficient strength to be planted in the open ground about a foot apart. Sweet Williams need protection during winter. Around New York and further south coarse straw and spruce or pine boughs may be sufficient but, in the New England States a leafcovering is best. *Dianthus barbatus* is easily transplanted the following spring and may be used for ornamental garden planting without the least fear of loss. Single varieties are often obtainable in colors but are rarely absolutely true. Our illustration shows a small plot of the auricula eyed, with a few double white mongers in.

Richard S. ...

Northeast Harbor, Maine.

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The Queen of Flowers will hold court next week in the very centre of refinement and modern luxury in the great Metropolis of America. The museum of lifeless things will be transformed into a garden, glowing and fragrant. The devotees of the Queen will flock from far and near to do her honor and she will speak eloquently to them in silent but no less eloquent voice—a language that only the rose lover understands. The assembling of the rose growers on this occasion will, we feel sure, mark a substantial advancement in the work and the strength of the American Rose Society. This organization, while opening its doors freely to the amateur, has at last secured itself in the affection and fealty of the profession—something without which no organization of its character, as things stand in this country, can substantially prosper. Good men are at the helm, and the American Rose Society, after a tempestuous beginning, is now sailing on under sunny skies and a favoring wind. HORTICULTURE extends sincere congratulations.

Flower market reports from various localities—always more or less erratic—have shown exceptional irregularity for some weeks past.

Even allowing for the fact that correspondents are likely to have their deductions colored in a greater or less degree according to their view point, whether as retail dealers or in more direct touch with the sentiment predominating in the wholesale market, yet the great divergence in conditions of supply and demand as indicated in trade reports would seem to suggest some serious undelying defect in the prevalent methods of handling flowers as a commercial commodity which, for the best interests of all concerned, should be studied out and a remedy of broad application sought. Some years ago it was quite customary to attribute the circulation of reports of a depressing character in some of the more active markets to possible speculative influence, but nobody with any clear knowledge of the situation as it stands today in these centres would think seriously of looking for the explanation in such a motive. Observant judges realize that there is something deeper and more vital back of the present emergency. But what is it?

It is worthy of notice in considering the conditions above mentioned that those flower markets which have succeeded in holding a regular shipping trade to outside districts run more evenly than do those that have come to depend mainly on local business; also that the number of the former is growing less each year and shipping trade limits are constantly contracting. It is a little singular that Bos-

ton, which has the record of having been the first flower shipping centre of any importance, still maintains quite a heavy business of that character throughout practically the entire year. Why this is so might be worth inquiring into, for nothing can be more healthy and stimulating to a local trade than a competing outside outlet. It would be equally worth while to ascertain, if possible, the causes which have operated and are still operating to deprive some other large distributing centres of the advantage formerly enjoyed through an out-of-town demand for their service. It is hardly creditable to a business of rapidly growing importance and magnitude that conditions approaching famine in the one case and ruinous overstock in the other should appear to exist simultaneously in markets but a few hours apart and in intermediate points, with a difference in wholesale values of staple goods of frequently fifty per cent. or even more. That the question "Why" has not been more frequently and seriously taken up by those most vitally concerned and the agitation carried to a conclusion is indeed one of the incomprehensible anomalies of the flower business. Can anyone point to another industry of equal importance so apathetic concerning broad tendencies which so vitally affect its welfare?

Politics and Horticulture in the Hub In the art or science of Horticulture, Boston has been traditionally progressive. The famous Faneuil garden of two centuries ago, occupied seven acres on the slope of Beacon Hill, covering part of the site of the present State House under the gilded dome of which the laws of the State of Massachusetts are now enacted, the site of the present Court House in which the Courts of Suffolk County now administer justice, and extended down to the present Tremont Street, including also the site of one of Boston's busiest department stores. This garden was familiarly known as "Faneuil's Seven-Acre Eden" because of the wealth of its horticultural collections, which included over forty varieties of hot-house grapes and the finest assortment of fruits, vegetables and flowers that in those by-gone colonial days could be imported from Europe; at a time when, for the demands of luxury or the desire for delicacies for the sick, it was necessary for the well-to-do to produce such things for themselves, as the markets did not afford them as they do now.

Boston has been traditionally a horticultural city—the names of Peter Faneuil, Daniel Webster, General Dearborn, Marshall P. Wilder, Charles M. Hovey, John Galvin, H. H. Hunnewell and E. M. Wood are stars in the roll of honor of the art of gardening in the United States, and the silver cord runs on, for did not the Massachusetts Horticultural Society, during the present year, bestow the first award of the new White gold medal to Professor Charles Sprague Sargent, director

of the Arnold Arboretum, as the greatest living horticulturist in the United States? The far-sightedness and philanthropy of Benjamin Franklin made possible in Boston the finest system of parks in the world, second to which is that of Berlin and third that of Tokio in Japan. The love of the garden has similarly led Professor Sargent to devote his life and a large share of his fortune to giving Boston the finest collection of trees and shrubs in the world, and to send collectors to the most remote and heretofore unexplored parts of the globe to find and bring back new material. Then too, the recent munificent bequest of nearly six millions of dollars by George F. Parkman for the further improvement and maintenance of the Common, Public Garden and the Parks of Boston still further attest the spirit of aesthetic culture which seems perennial in the City of Massachusetts Bay. What possibilities! What may not be accomplished for Boston if the means and opportunities are wisely employed?

Under Boston's new charter, the officials in charge of these great interests must qualify before a Civil Service Commission appointed by the Governor of Massachusetts. The immediate appointments are made by the Mayor of the City. Therefore, Mayor Fitzgerald has in his disposal the stewardship of interests most vital to the present and future development and character of the city. We believe that he will appreciate the magnitude of this responsibility and that he will act advisedly in his appointments. It is a matter of regret that none of the members of the present board of Park Commissioners possess any knowledge of horticulture. Had they possessed such knowledge, it would not have been necessary for the Gardeners' and Florists' Club of Boston at its February meeting to pass a unanimous vote, protesting to these Park Commissioners against their removing the elm trees planted six years ago in two rows on Commonwealth Avenue and replanting them in four rows in a space only one hundred feet wide, against the publicly expressed opinions of such men as the late F. L. Olmsted, Professor C. S. Sargent, Samuel Parsons, C. C. Laney, Desmond Fitzgerald and other eminent authorities in landscape architecture and arboriculture. Let us hope that Mayor Fitzgerald will make his appointments in accordance with the spirit of the new charter—that the men appointed shall have special qualifications for their work, especially since he is now permitted to go even outside of the city to find them. The Park Commissioners of the City of Boston, upon whom such great responsibility rests, should include among their number men of comprehensive horticultural, arboricultural and structural landscape knowledge, as well as of general executive ability, and they may be found within the Hub.

In Mr. Thatcher's communication on Standard Lilacs in last week's issue, please read, "evolve new sorts" in place of "solve new sorts" in sixth line.

AMERICAN ROSE SOCIETY

Annual Convention and Exhibition in Conjunction with the Spring Exhibition of the Horticultural Society of New York to be Held in the American Museum of Natural History, March 16, 17, and 18, 1910

The Exhibition will be open on the evening of the first day from 7 to 10.
On Thursday and Friday from 9 A. M. to 5 P. M., and from 7 to 10 P. M.



AMERICAN MUSEUM OF NATURAL HISTORY

Officers of The American Rose Society.

President—August F. Poehlmann, Morton Grove, Ill.

Vice-President—Frank R. Pierson, Tarrytown, N. Y.

Treasurer—Harry O. May, Summit, N. J.

Secretary—Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Manager of Exhibition—Joseph A. Manda.

Executive Committee—Philip Breitmeyer, Detroit, Mich.; E. Gurney Hill, Richmond, Ind.; Peter Bisset, Washington, D. C.; A. Farenwald, Roslyn, Pa.; P. Welch, Boston, Mass.; Wm. F. Kasting, Buffalo, N. Y.

Programme of Proceedings.

The annual meeting of the American Rose Society will open at 7.30 P. M. sharp on Wednesday, March 16.

The transaction of business will be in the following order:

Calling to order. Address by President August F. Poehlmann. Reading minutes of previous session. Secretary's report. Treasurer's report. Report of committees. Selection of place for next year's meeting. Miscellaneous business. Election of officers. Appointment of committees. Adjournment, as business may require.

A question box will be opened at the secretary's desk.

Under the order of essays and discussions, addresses will be made as follows:

Paper by Mr. Adolph Farenwald, Roslyn, Pa., "Roses—the Brightest of Flowers."

Paper by Mr. S. B. Sibson, Portland, Ore., "North Pacific Coast Roses."

Second Regular Session.

Thursday afternoon at 2.30 P. M. sharp.

Address by Mr. James Wood, Mt. Kisco, N. Y., President of the Horticultural Society of New York, "The Ideals of Horticulture."

Prize Schedule.

All exhibits for competition must be in position by 3 O'CLOCK P. M. WEDNESDAY, MARCH 16TH, and cannot be REMOVED UNTIL SATURDAY, THE 19TH.

Plants and flowers for exhibition should be sent by express, prepaid, addressed: The American Rose Society, American Museum of Natural History, Columbus Avenue and 77th Street, New York City.

Medals.

Gold Medal for the best new rose not yet disseminated, whether of domestic or foreign origin. Exhibits to be judged by the official scale of the American Rose Society, and no gold medal to be awarded to any rose scoring less than 95 points.

Silver Medal is offered at the same time and under the same conditions for a novelty scoring not less than 85 points.

A certificate of merit is awarded to all novelties scoring 80 points, but neither medal nor certificate will be issued until the variety is named and 12 blooms shown.

It is further ordered that the complete scores of all the entries in the competition be filed with the secretary of the American Rose Society before the award of any medal is confirmed. No duplicate medal will be awarded. It is understood that though the award of the gold or silver medal or certificate may be made to the same variety from one exhibitor exhibited in different centers, only one medal will be delivered to the exhibitor.

The Executive Committee of the American Rose Society reserves to itself the

right of selection of the judges who shall pass upon the exhibits in the competition for these medals.

Division A—Pot Roses.

Class.

1. Best display of hardy roses in bloom. All types and classes of roses suitable for outdoor planting may be exhibited in this class. First prize, \$100, offered by Hon. Philip Breitmeyer, Detroit, Mich.
2. Collection of Teas and Hybrid Teas, in not less than 5-inch pots, 25 plants or more. First prize, \$25, offered by Mr. John N. May, Summit, N. J. Second prize, \$15.
3. Collection of Wichuriana Hybrids, 6-inch pots or over, not less than 25 plants. First prize, \$25, offered by The F. R. Pierson Co., Tarrytown, N. Y. Second prize, \$15.
4. Collection of Hybrid Perpetuals, 6-inch pots or over, not less than 25 plants. First prize, \$25, offered by Welch Bros., Boston, Mass. Second prize, \$15.
5. Six climbing roses, in not less than 7-inch pots. First prize, \$12. Second prize, \$8.
6. Six roses, not climbing, in not less than 7-inch pots. First prize, \$12. Second prize, \$8.
7. Twelve Baby Ramblers, any variety, in not less than 4-inch pots. First prize, \$6. Second prize, \$3.
8. Specimen in pot or tub, not a climber. First prize, \$5. Second prize, \$3.
9. Specimen Crimson Rambler in pot or tub. First prize, \$10. Second prize, \$5.
10. Specimen Lady Gay in pot or tub. First prize, \$10. Second prize, \$5.
11. Specimen Hawatha in pot or tub. First prize, \$10. Second prize, \$5.
12. Specimen Newport Fairy in pot or tub. First prize, \$10. Second prize, \$5.
13. Specimen Dorothy Perkins in pot or tub. First prize, \$10. Second prize, \$5.
14. Specimen Tausendschon in pot or tub. First prize, \$10. Second prize, \$5.
15. For the best collection of Hybrid Wichuriana novelties, not disseminated, five or more plants, in pots or tubs. Prize, \$25, offered by Messrs. Ellwanger & Barry, Rochester, N. Y. The best variety in this



AUGUST F. POEHLMANN
President American Rose Society.

collection may receive the Society's Silver Medal; second best a Bronze Medal, if considered worthy.

Division B.—Teas and Hybrid Teas.

Twenty-five Cut Blooms. Open to All.

Class.

107. For the best American Beauty (stems not less than four feet or more than six feet). First prize, \$15, offered by Mr. Arthur T. Boddington, New York City. Second, \$10.

In classes 108 to 129 the prizes are in each class—First, \$10; second, \$5. The varieties are as follows: Bride, Bridesmaid, Kaiserin Augusta Victoria, Cardinal, Rhea Reid, My Maryland, Mrs. Jardine, Souv. du President Carnot, Perle des Jardins, Bon Silene, Golden Gate, Mme. Abel Chatenay, Mrs. Oliver Ames, Ivory, Liberty, Sunrise, Wellesley, Killarney, White Killarney, Richmond, Uncle John,

Any other named disseminated variety.

130. Largest and best collection of Teas and Hybrid Teas, six or more varieties, not less than twelve flowers of a kind. First prize, \$30, offered by Mr. Robert Simpson, Clifton, N. J. Second, \$20.

Division C.—Twelve Cut Blooms.

Open to Private Gardeners and Amateurs Only.

Class.

131. American Beauty (stems not less than four feet or more than six feet). First prize, \$8. Second, \$5.

In classes 150 to 169 the prizes are, in each class—First prize, \$4; second, \$2. The varieties are:—Bride, Bridesmaid, Kaiserin, Mrs. Pierpont Morgan, Souv. du President Carnot, Perle des Jardins, Bon Silene, Mrs. Oliver Ames, Ivory, Safrano, Golden Gate, Mme. Chatenay, Liberty, Sunrise, Mrs. Jar-



ALEXANDER MONTGOMERY
Ex-President American Rose Society.

dine, Cardinal, Rhea Reid, My Maryland, Marechal Neil, Any other named disseminated variety.

170. Best and largest collection of Teas and Hybrid Teas, six of a kind. First prize, \$12. Second, \$6.

Division D.—Hybrid Perpetuals.

Stems Not Less Than Twelve Inches.

Open to all. Prizes are: First, \$25; second, \$15.

Class.

171. For the largest and best collection, not less than twelve varieties, or less than three of a kind.

Division E.—Hybrid Perpetuals.

Stems Not Less Than Twelve Inches.

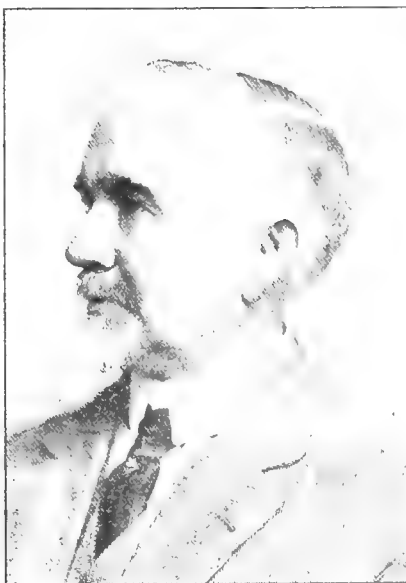
Open to private gardeners and amateurs only. Prizes are: First, \$10; second, \$5.

Class.

172. For the largest and best collection, not less than six varieties or less than three of a kind.



BENJ. HAMMOND
Secretary American Rose Society.



FRANK R. PIERSON
Vice-President American Rose Society.



HARRY O. MAY
Treasurer American Rose Society.

Division F.—Special Prizes.

Class.

173. The Dorrance Challenge Prize for the largest and best display of cut roses, offered by Benjamin Dorrance.
174. Best 50 White Killarney, \$25, by Poehlmann Bros. Co.
175. Best 50 My Maryland, \$25, by Poehlmann Bros. Co.
176. Best 50 blooms Killarney roses, a Silver Cup, value \$25, by H. F. Michell Co.
177. Best 50 blooms White Killarney, a silver cup, value \$25, by Waban Rose Conservatories.
178. Best new rose, American origin, of 1909 and 1910. silver cup, value \$25, by Alexander Montgomery.
179. Prettiest exhibit of roses in the exhibition, to be decided by the ladies' vote, \$10 gold piece, by Miss Marion I. Hammond.
180. Best 50 blooms American Beauty, \$25, by John I. Raynor.
181. Best 50 blooms Killarney, \$25, by Henshaw & Feirich.
182. Best 50 blooms My Maryland, \$25, by Pennock-Mechan Co.
183. Best 50 blooms Richmond, \$25, by H. E. Froment.
184. Best 50 blooms Bridesmaid, \$25, by William F. Kasting Co.
185. Best 50 blooms Mme. Abel Chatenay, \$25, by Traendly & Schenck.
186. Best 50 blooms The Bride, \$25, by the King Construction Co.
187. Best 50 blooms Mrs. Jardine, \$25, by Robert Scott & Sons. Co.
188. Best 50 blooms American Beauty, \$25, by J. A. Budlong Sons Co.
189. Best 36 blooms My Maryland, \$15, by John Cook.
190. Best six roses (American Beauty excepted), two to be white and four to be red, pink or yellow. Length of stem is limited to only one joint. Solid silver cup, by Moore, Hentz & Nash.
191. Vase of roses, not less than 25 or more than 50 blooms, one or more varieties, arranged for effect, accessories in other flowers, foliage, and also ribbons allowed. Exhibitors may supply their own vases. First prize \$15, second \$10, by Peter Henderson & Co.
192. Best plant in bloom of American Pillar, \$4, by Conard & Jones Co.
193. Best six cut sprays of American Pillar, \$4.
194. Six plants in bloom of Harry Kirk. First prize \$5, offered by Henry A. Dreer; second \$3.
195. Plant in bloom of Charles Dingee. First prize \$4, by Dingee & Conard Co.; second, \$2.
196. Six blooms of Charles Dingee. First prize \$4, second \$2.
197. Twenty-five blooms Richmond. First prize \$10, second \$5. Open to private gardeners only. Offered by Stumpp & Walter Co.
198. Fifty blooms of Rhea Reid, \$25, by E. G. Hill Co., Richmond, Ind.
199. Twenty-five blooms American Beauty. First prize \$15, by Arthur T. Boddington; second \$10. Listed Class 107.
200. Twenty-five blooms Killarney. First prize \$10, by Walter F. Sheridan; second \$5. Listed Class 125.
201. Twenty-five blooms Richmond. First prize \$10, by Wm. G. Badgley; second \$5. Listed Class 127.
202. Twenty-five blooms My Maryland. First prize \$10, by L. B. Coddington; second \$5, by A. R. S. Listed Class 113.
203. Twenty-five blooms The Bride. First prize \$10, by A. H. Langjahr; second \$5, by A. R. S. Listed Class 108.
204. Best and largest collection of Teas and Hybrid Teas six or more varieties, not less than twelve flowers of a kind. First prize \$30, by Robert Simpson; second \$20, offered by A. R. S. Listed Class 130.
205. Collection of Wichuriana Hybrids, 6 in. pots or over, not less than 25 plants. First prize \$25, by F. R. Pierson Co.; second \$15, by A. R. S. Listed Class 3.
206. Collection of Hybrid Perpetuals 6 in. pots or over, not less than 25 plants or more. First prize \$25, by Welch Bros.; second \$15 by A. R. S. Listed Class 4.
207. Collection of Teas and Hybrid Teas, not less than 5 in. pots, 25 plants or more. First prize \$25, by John N. May; second \$15, by A. R. S. Listed Class 2.
208. Vase of Cut Blooms showing the highest score, the Lord & Burn-

ham Co. Gold Medal, value \$25, by Lord & Burnham Co. This award to be in addition to any other premium the exhibit may have secured.

209. The Society of American Florists' Silver Medal may be awarded for best grown Rose plant or group of plants, should there be an exhibit of sufficient merit.
210. For the most artistically arranged vase on exhibition. First Prize, the Toronto Horticultural Society's Silver Medal; Second, the same Society's Bronze Medal. This award to be made before any other judging is done. Entries in class 192 will be debarred.

50 blooms My Maryland, \$10.00 by S. J. Reuter & Son.

HORTICULTURAL SOCIETY OF NEW YORK.

President—James Wood, Mount Kisco.
Vice-Presidents—N. L. Britton, T. A. Havemeyer, Patrick O'Mara, Geo. T. Powell, Samuel Thorne.

Treasurer—F. R. Newbold, Poughkeepsie, N. Y.

Secretary—George V. Nash, New York Botanical Garden, Bronx Park.

Chairman Exhibition Committee—F. R. Pierson.



JOSEPH A. MANDA
Supt. of Exhibition.

The schedule of prizes offered by the Horticultural Society of New York was published in full in the February 19th issue of this paper, page 263. It covers Acacias, Azaleas, Cinerarias, Cyclamens and miscellaneous Spring Plants and Bulbs, Orchids, Palms, Ferns and Foliage Plants.

THE BANQUET.

An encouraging response from all quarters indicates a large attendance at the club dinner on March 17. A fine entertainment will be provided and among the speakers will be representatives from the Rose Society, the Horticultural Society of New York, Professor Craig of Cornell University, and a prominent editor, Mr. Connell, from Poughkeepsie, will respond to the toast of "The Ladies."

The next meeting of the New York Florists' Club will be Rose and Sweet Pea Night. President Miller announces that a well-known member of the club, who is too modest to have his name mentioned, will be present and will give a talk on "Sweet Peas," and also give an account of his recent trip to California. JOHN YOUNG, Sec.

WOMEN IN HORTICULTURE.

Miss Laura Blanchard Dawson of Jamaica Plain delivered a lecture on March 5 before the Massachusetts Horticultural Society on "Horticulture as a Profession for Women." The stage was decorated with eight splendid specimens of *Dendrobium nobile virginale*, from the conservatories of Dr. C. G. Weld. There was a large attendance, particularly of ladies, and Miss Dawson's talk was listened to with close attention and was followed by a very interesting discussion in which the ladies participated.

There are phases of horticultural work for which women are particularly fitted, said Miss Dawson. In Germany there are five horticultural schools, conducted by women. The first of these was started about twenty years ago. The best paid work in German horticulture is teaching gardening in the sanatoriums, where gardening is a part of the occupation of the patients. In England there are two good horticultural schools exclusively for women. About eighty pupils are graduated each year.

Speaking of commercial flower growing, she said that executive ability, good health and tremendous nerve force are requisite to success—a combination which but few women are possessed of. Women can make a success of raising orchard fruits, especially if they have in connection with it a plant for putting up fruit in cans. Women have also successfully grown fancy vegetables for market. The average woman should not attempt such work as raising nursery stock and that no woman should attempt landscape gardening without possessing more than the average strength. To do a week's work in an office on plans, following this with a month in the field, is not easy for any woman. The landscape gardener must know architecture, grading, drawing, the technique of planting and possess a great sense for color and form.

Miss Dawson suggested there should be opportunities for women as consulting gardeners. In small towns, where there are many small places looked after by some local gardener, there would be an improvement in the gardens if they had the supervision in the busy season of some skilled adviser, who may not have the strength to do more strenuous work. Other opportunities for women in horticulture are in caring for school gardens and in writing on horticultural topics. A school of horticulture for women exclusively is soon to be opened near Philadelphia, and students at Wellesley and Smith Colleges may take horticultural courses.

In conclusion, Miss Dawson warned her hearers that no woman should undertake to enter horticultural work for profit unless she has strength, health, ability, and some capital.

"PROVIDENCE, Feb. 23.—Hon. Matthew MacNair, who is known as the owner of a private paradise of floriculture, today sent to the girl operators in all of the exchanges in Providence, Pawtucket and the neighboring districts, a handsome bunch of violets each. The wires were kept busy long after sundown heavily laden with sentiments sent him in the way of thanks."—Boston Globe.

Hon. Matthew, we're proud of you.

ROSES UNDER GLASS.

A paper read before the Tarrytown Horticultural Society by Andrew McKendry.

I propagate my cuttings about the first week in January, in clean, sharp sand, using two-eyed cuttings, as they make plants quicker than those with only one eye. If the sand is kept at a uniform temperature at 65 deg. and the overhead temperature at 52 deg., the cuttings will root in about four to five weeks. They are ready to pot when the roots are about one inch long. If allowed to make any further growth in the sand it will induce a weak growth, as the substance is not there to nourish the plant. Two and one-half inch pots are generally used for the first potting, using new soil, sifted through a coarse screen. A little leaf mould added will help keep the soil porous, and benefit the the young roots.

The young plants should be placed in a rose house temperature, watering strictly attended to, and syringing done every bright day to keep the red spider in check. When the 2½-inch pots are nicely filled with roots, shift into 3-inch, adding a small portion of well-rotted cow manure, and a light sprinkle of "Clay's Fertilizer" to the soil; the plants to receive the same treatment as before, keeping the buds nipped off, which will cause the eyes below to break, making a good, stocky plant. Give the pots plenty of room on the bench, allowing the air and sunlight to get in through the plants. If the plants are kept in a good healthy condition they will require another shift into 4-inch pots before planting in the bench, which time will be about the latter part of May. The house will have to undergo its usual



A. L. MILLER
President, New York Florists' Club

cleaning, white-washing the benches, etc.

The compost to be used should be good fibrous loam, two-thirds soil, and one-third well-rotted cow manure, giving a good top dressing of bone-meal after the soil is on the bench, and mixing in well.

For the first week or ten days after planting, water only around the base of the plants. When the roots begin to find their way through the new soil they will need more moisture. The plants will need immediate staking and tying to make them well-shaped and to hold them in position so they can be syringed properly. Any cool night should be taken advantage of to fumigate. When the plants have been

benched about six weeks or two months they will require an additional inch or two of soil and manure, equally mixed, as the young roots will begin to appear on the surface looking for more nourishment. During the short days of November and December, roses do not seem to relish too much feeding, for the plants are inclined to be somewhat dormant, and the roots not very active. A light sprinkle of "Clay's" once a week is beneficial. The other chemical fertilizers are also very good if properly used. As the days begin to lengthen and the sun gets stronger, you will notice that your benches begin to dry out oftener, and at the same time your plants are making a more vigorous growth, which is a sure sign that the soil is filling with roots, and will need more nourishment. A good watering of liquid manure once a week is as good as anything, using the other fertilizers in between. A top dressing of bone-meal will also be beneficial. As

a preventive for mildew, I keep my hot water pipes well painted with sulphur, frequently closing off all the pipes but one run, which is well painted and allowed to get extra hot.

I think when plants are large enough for 4-inch pots, it is advisable to grow them a little on the dry side, which will help in keeping out the mildew during the hot weather.

Ventilating is a very important factor in rose growing, not allowing the temperature to run up to 80 or 85 per cent in the morning before giving air, and then opening the ventilators a foot or more, but ventilating gradually an inch or two at a time; the same method to be followed when closing the houses for the night.



W. C. RICKARDS, JR.
Treasurer, New York Florists' Club



WALTER F. SHERIDAN
Chairman Entertainment Committee, New York Florists' Club.



JOHN YOUNG
Secretary, New York Florists' Club.

NEWS OF THE CLUBS AND SOCIETIES

NORTH SHORE HORTICULTURAL SOCIETY.

This society held its regular meeting, March 4. The report of the banquet committee was read and accepted. The banquet this year was not a financial success, owing to the non-support of the gardeners, who make up a large percentage of the membership of the society. The speaker of the evening was Thomas J. Grey of Boston, who held the attention of his audience for an hour, speaking on "Gardens and Gardeners in the Vicinity of Boston Fifty Years Ago." Mr. Grey's remarks were largely personal reminiscences of the past fifty years and were thoroughly enjoyed by the members. At a later date we may find space in which to publish the interesting personal incidents, so pleasantly voiced by Mr. Grey on this occasion.

The question of free distribution of seeds was then introduced by Mr. Mitchell, several taking part in the discussion; but no official action was taken in the matter.

William Till, on behalf of the society, thanked the speaker for his address and wished to add one name to those mentioned by Mr. Grey—a gentleman of the old school, ever kindly and courteous to all, respected by all who know him—Mr. Grey himself, who had this evening paid such an eloquent tribute to the memory of those who had gone and to his living associates of the past fifty years. The gardeners of today are proud of the rich heritage left them by the men whom Mr. Grey has so fittingly extolled. President Salter closed with a few well chosen remarks, and a unanimous rising vote of thanks was tendered Mr. Grey. The refreshment committee then took charge and brought a very pleasant evening to a close.

At the next meeting, March 18th, Mr. Cruikshank, of the R. & J. Farquhar Co., will lecture on the "Cyclamen."

YONKERS HORTICULTURAL SOCIETY.

A meeting of this society was held Wednesday evening, March 2nd, with fifty members present, President Bennet in the chair. Several new members were admitted and a number of applications received. The competition for the prizes offered by Pres. Bennet was very keen and a number of very fine roses were shown. The judges awarded first prize to J. Lamb; second, H. Scott; third, R. Cummings. Secretary Waite read a very able and instructive paper entitled, "Gardeners and the Gardening Profession."

Secretary Waite offered a box of cigars as first prize for the most meritorious exhibits of anything to be competed for at our next meeting, and S. A. Woodrow a two years' subscription to any of the trade papers as second prize, and a one year's subscription as third prize. Vice-Pres. Cochrane will read a paper on the Culture of Mushrooms at the next meeting.

LEE WHITMAN, Cor. Sec.

AMERICAN ASSOCIATION OF NURSERMEN.

Thirty-fifth Annual Convention.

There is every indication that this year's gathering of the nurserymen of the United States at Denver, Colorado, June 8th, 9th and 10th, will be both large and enthusiastic. The new secretary, John Hall, of Rochester, N. Y., is busy looking after details, and expects shortly to issue a circular letter to members setting forth the arrangements made for hotel accommodations and terms, as well as information concerning railroad rates and special offers. The Brown Palace Hotel has been selected as headquarters. It is a thoroughly modern, fireproof building, all large outside rooms, and under excellent management.

Those who know anything about "The Queen City of the Plains", are aware that it is a popular convention city, and an ideal place for the assembling of an organization like that of the American nurserymen in "the Month of Roses."

The Entertainment Committee has not been asleep, either. Chairman Frank A. Weber, Peter Youngers and A. M. Ferguson recently met in Denver, and arranged for the following entertainment to be given by the Western Nurserymen to the members attending the national convention of American Association of Nurserymen:

Afternoon of June 8th, the ladies will be given a sight-seeing trip through Denver and vicinity.

Afternoon of June 9th, the ladies will be entertained at a matinee in one of the theatres; and on

Friday, June 10th (subject to the action of the program committee), the committee has arranged for a sight-seeing trip over the Moffat Route to Corona, for the members and their ladies. This is said to be the finest scenic route out of Denver, and has been styled by eminent civil engineers as the greatest piece of engineering in the world. This trip will be complimentary to members and their ladies, and it is hoped the nurserymen will take advantage of this splendid display of hospitality on the part of their western brethren. Luncheon will be served on the trip. A special train will leave Denver at a convenient hour in the morning, returning in the late afternoon.

Other features have been arranged, and will be announced later. The Western Nurserymen hope that the members from the East will be well represented. Besides those already mentioned, the members of the entertainment committee are: F. H. Stannard, ex officio; J. W. Hill, C. G. Ferguson and George B. Fravert.

Secretary Hall is exceedingly anxious that members will anticipate his circular letter and be ready to give quick response to his appeal for membership fees and for advertisements and registration in the badge-book. First come first served, is his motto.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The usual good attendance was shown at the club meeting at the Fort Pitt Hotel on the evening of March 1st. The finance committee reported all bills paid that were incurred in the entertainment of the Carnation Convention, and a balance left of over \$415, which was returned pro rata to the subscribers to the fund. The report of the committee was accepted with the warmest thanks of the club and the committee discharged.

A pleasant incident was the reading by the secretary of a letter from the Chicago Florists' Club, in which the hospitality and work of the Pittsburgh Club in the entertainment of the Carnation Convention was warmly praised. This letter was greatly appreciated. Even if you think you are doing good work, it is a great relief and satisfaction to have some one else tell you that you are.

The auditing committee reported the books of the club examined and found correct.

The private gardeners staged a competitive exhibit of floral bulbs in 6-inch pots and 7-inch pans. The judges, Neil McCallum and Jas. Wiseman, awarded two second prizes to Frank Crook, gardener for J. H. Park. Dr. J. A. Shafer showed an interesting collection of orchids, for which the judges awarded a cultural certificate.

The Secretary was instructed to write a letter of condolence to Jas. Moore, foreman at the Phipps' Conservatories, on the recent death of his father. It having been brought to the attention of the club that two of its members, B. L. Elliott and E. H. Blind, had been married since our last meeting, the Secretary was instructed to send them letters of congratulation. E. H. Blind, who was present, asked the club to join him in refreshments in celebration of his marriage and soon the hotel waiters were busy. It was one of those delightful little impromptu, unplanned affairs which are often the most joy-giving.

H. P. JOSLIN, Sec'y.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

The Gardeners' and Florists' Club of Baltimore at their regular semi-monthly meeting voted in a number of new members. Mr. Geo. R. Morrison exhibited two unusually fine specimen plants of Cineraria—a cross between stellata and hybrida. The plants were nearly three feet high, bushy in proportion, and with an abundance of beautiful flowers. At the next meeting it is probable the club will vote in favor of "parcels post" and send a petition to Congress favoring the same.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

The Mid-Lent meeting of the Executive Board of the Society of American Florists and Ornamental Horticulturists will be held at the Seneca Hotel, Rochester, New York, on March 12th at 10 a. m., and will continue until March 15th, inclusive.

H. B. DORNER, Secretary.

NATIONAL GARDENER'S ASSOCIATION.

The National Gardeners' Association, of which Wm. Kleinheinz is president, this year will hold their exhibition in connection with the spring show of the Pennsylvania Horticultural Society, March 17. The schedule has just been issued by Secretary Maynard and offers the following attractive prizes:

Preliminary Schedule. Carnations.

Class No. 1.—Vase of seedlings. First prize, silver cup (Robert Craig); second, certificate.

No. 2.—Ten varieties. Ten blooms of each (seedlings excluded). First, silver cup (F. K. Pierson); second, certificate.

No. 3.—Six varieties, twelve blooms of each. First, silver cup (Peter Henderson); second, certificate.

No. 4.—Four varieties, ten blooms of each. Limited to those who grow only 800 plants or less. First, silver cup (Rickards Bros.); second, certificate.

Roses.

No. 10.—Twelve American Beauties, stems three feet or over. First, silver cup (Chas. Bertanzel); second, certificate.

No. 11.—Six American Beauties. Limited to those who grow 200 plants, or less. First, silver cup (The Chronicle Press); second, certificate.

No. 12.—Roses, four varieties, twelve of each. First, gold bronze cup (Benjamin Hammond); second, certificate.

No. 13.—Best White Rose, twelve of each. First, silver cup (Bobblink & Atkins); second, certificate.

No. 14.—Twelve hybrid teas; pink. First, silver cup (Hitchings & Co.); second, certificate.

No. 15.—Twelve blooms any color except white or pink (American Beauty excluded). First, silver cup (P. H. Goodsell); second, silver cup.

No. 16.—Vase roses disseminated in 1908 and 1909. First, silver cup (Gould Chemical Co.); second, certificate.

Roses in Pots.

No. 17.—Six varieties, hybrid and hybrid teas, in bloom. First, silver cup (Ellwanger & Barry); second, certificate.

No. 18.—Specimen climbing rose in bloom, in pot or tub. First, silver cup (Weathered Co.); second, certificate.

Miscellaneous.

No. 24.—Hardy forcing bulbs. Not over ten varieties. Cut flowers, twelve to a vase, silver cup (Michael Fallon).

No. 25.—Display of cut flowers of winter forcing bulbs, tubers, etc. First, silver cup (F. J. Michell); second, certificate.

No. 26.—Specimen orchid in bloom, any variety except Cattleya. First, bronze cup (Lager & Hurrell); second, certificate.

No. 27.—Collection of orchids. First, gold bronze cup (Julius Roehrs Co.); second, certificate.

No. 28.—Flowering plants. Cattleya species. First, silver cup (Joseph A. Manda); second, certificate.

No. 29.—Six plants of cyclamen. First, silver cup (J. T. Withers); second, certificate.

No. 31.—Group of flowering and foliage plants, space not to exceed 60 square feet. First (Lord & Burnham) gold medal; second, silver cup (William Kleinheinz); third, certificate.

No. 32.—Twelve foliage plants (palms excluded), not over 8 in. pots; not over twelve varieties, of one species. First, silver cup; second, certificate (Wilson Plant Oil & Fertilizer Co.).

No. 33.—Pair specimen palms. First, silver cup (John Shore); second, certificate.

No. 36.—Vase of mixed sweet peas. First, silver cup (W. Atlee Burpee); second, certificate.

No. 37.—Collection of sweet peas; not less than 25 sprays to a vase, nor less than four varieties. First, silver cup; second, certificate (J. P. Sorenson).

No. 39.—Six Cineraria stellata. First, silver cup; second, certificate.

No. 40.—Three Cineraria stellata. Exhibitors in Class 39 can not exhibit in Class 40. First, silver cup (Jas. Bell); second, certificate.

No. 41.—Six Cineraria hybrida. First, silver cup (Burnett Bros.); second, certificate.

No. 42.—Six Primula obconica. First, silver cup; second, certificate.

No. 43.—One hundred double violets. First, silver cup; second, certificate.

No. 44.—One hundred single violets. First, silver cup (E. Fardel); second, certificate.

No. 45.—Vase of winter flowering stocks, one or more varieties. First, silver cup; second, certificate.

No. 50.—New or rare plant, foliage, not disseminated before 1907. First, silver cup (W. & T. Smith Co.); second, certificate.

No. 51.—Specimen flowering plant, any species. First, silver cup.

No. 55.—Four melons, four varieties. First, bronze cup; second, certificate.

No. 56.—Four specimens of hothouse cucumbers. First, silver cup (J. J. Donnelly); second, certificate.

No. 57.—Collection of vegetables. First, silver cup (W. E. Maynard); second, certificate.

No. 58.—For exhibitors taking the most prizes. First (counting three points), second (two points), third (one point), gold cup.

Class numbers not filled in will be announced later.

Bowling Prize—Open to all Horticultural and Gardeners' Societies.

NEBRASKA HORTICULTURAL SOCIETY.

This organization met at the State Farm at Lincoln and had a very interesting three days' meeting. An address of welcome was given by Chancellor Avery of the State University, who was recently promoted to his present position from the chemistry department. He was responded to by C. S. Harrison of York, who spoke highly of Nebraska products; but our chief delight and pride was in our Nebraska-grown chancellor.

The first session was given to the growing of small fruits. G. W. Shaver spoke of his phenomenal success with grapes. He considered Moore's Early the best. "How We Grew and Marketed Twelve Thousand Bushels of Apples," was the theme of G. A. Marshall of Arlington. The Society of Florists were given the right of way for the discussion of decorations, carnations, ferns and ornamentals.

This society decided on following the Minnesota plan by inviting the Forestry and Florist societies to co-operate with them, giving each society half a day, their reports to be published in the annual reports of the parent society. This plan will ensure the co-operation of all the affiliated interests of the state. C. S. Harrison of York was chosen president for the next year and his son, W. A. Harrison, vice-president.

WESTERN NEW YORK HORTICULTURAL SOCIETY.

At the 55th annual meeting of the Western New York Horticultural Society held at Rochester, recently, W. C. Barry was elected president for the 21st consecutive time. John Hall of Rochester was also re-elected secretary-treasurer. In his address before the society Professor U. P. Hedrick said:

"However men may differ as regards cultivation for the apple, few will deny the absolute necessity of it for the peach. Uncultivated apples in Western New York are, as a rule, bad enough, but an untitled peach orchard is the desolation of desolations. Show me a man who says 'peaches don't pay and, nine times out of ten, I can show you a sod bound orchard, the trees sick with insects and thirsting for

the water which goes to the grass. Never! Never! Never! nor sow the orchard to grain! nor intercrop after the trees come into bearing. Plow in the spring, cultivate the surface soil until the middle of August and follow with a clover crop to be plowed under the next spring."

WASHINGTON STATE HORTICULTURAL ASSOCIATION.

William T. Clark of Wenatchee was elected president of the Washington State Horticultural Association at its sixth annual session at Wenatchee, Wash., when it was also decided to meet at Prosser the middle of January, 1911. Other officers for the year are: First vice-president, E. T. Benson, Prosser; second vice-president, W. A. Ritz, Walla Walla; secretary, Levi Grant Monroe, Spokane; treasurer, Michael Horan, Wenatchee.

The attendance was the largest in the history of the association, there being 300 at the first day's sessions and 600 at each of the succeeding days. There was a lively contest for the presidency.

Resolutions were adopted urging the representatives in Congress to work against the legislation proposed by eastern interests in the shape of an amendment of the Pure Food Law, regulating the size of apple boxes. The entire representation of the Pacific Coast in Congress will be enlisted in the fight against adverse legislation affecting the fruit industry.

TUXEDO HORTICULTURAL SOCIETY.

A regular monthly meeting of this society was held Tuesday evening, March 8, in the Parish House, Tuxedo Park. Ten new members were elected and several more applications were received. A very instructive discussion took place, on pruning. Every member, and there were many there, expressed his views freely, with the result that something of great value was learned by each. It was the voice of the meeting that two shows are feasible and desirable for this year, one a rose show in June, and the other a chrysanthemum show in the fall. The executive committee was instructed accordingly.

DAVID McINTOSH, Sec'y.

TARRYTOWN HORTICULTURAL SOCIETY.

The above society held its regular monthly meeting on February 25th. The subject of the meeting, Roses, was introduced by Andrew McKendry. A very interesting and instructive discussion followed. The monthly prize was won by Jas. Stuart with a splendid vase of Killarney roses. Mr. McKendry showed a grand vase of mixed varieties, which was only a few points behind the first prize lot. A number of other vases were shown, the general quality of which was remarkably good. The subject for next meeting is "Forced Vegetables," and the prizes will be given for the best three kinds.

WM. SCOTT, Corresponding Sec'y.
Elmsford, N. Y.

THE CALENDAR OF THE CARNATION.

Paper read before the American Carnation Society by Joseph H. Hill.

It seems a trifle ludicrous for a person as young and as inexperienced in carnation culture as myself to stand before a body of representative men such as are gathered here today, and attempt to inform them as to the best way to cultivate carnations throughout the year. Many a member of this society was successfully growing carnations before I was born; others, comparatively young men, are already acknowledged authorities on the "Divine Flower," and there are others here present who might, if they so desired, retire on their well-earned laurels and enjoy for the rest of their lives their well-filled coffers, the result of hard work, close application, and an unceasing attention to the demands of their chosen flower. In some portions of my discourse will readily be recognized the teachings of such men as Mr. Wm. Nicholson and the Dailledouze Bros., to all of whom I am deeply indebted for kindly interest and instruction, and unfailing response to any inquiry propounded. Other portions of this paper are records of my own observations and experiences, many of the lessons being quite expensive, as every grower has at times cause to confess as he sums up his columns of success and failure.

The middle of November witnesses the first steps looking toward the production of the millions of carnation plants required for the annual planting in this and other countries. At this time the grower puts into the sand those varieties which fail to make good plants from later struck cuttings, and also those required by those of his customers who insist on "late December or early January delivery"; while large numbers are taken in November and December, the bulk of the propagating is done considerably after the holidays, and often quite up to the first of May. It is generally conceded that cuttings taken during January, February and March will give the best results to the average grower, though most of us have seen grand bloom produced in quantity from good April cuttings.

Too much importance cannot attach to the careful selection of cuttings, which must be strong and healthy and from clean and vigorous plants. The old axiom quoted in Mr. Ward's book, that "like begets like," must never be lost sight of in this part of our programme.

The cutting bench should have a brick or tile bottom, filled with 3 to 4 inches of absolutely clean sand, and so constructed that a bottom temperature of 60 degrees can be maintained. No draughts should be allowed to strike the cuttings, and they should also be protected from the direct rays of the sun by a perfectly clean and light weight curtain of muslin.

The cuttings should receive a very thorough watering when put into the sand and the detrimental habit of using the hose whenever they show signs of flagging should be avoided, as this wilting invariably shows that overhead conditions are wrong and these must be corrected rather than that water should be added to an already saturated sand; the less amount of water

used and still keep the cutting fresh and plump, the better will be the root formation, and it requires a nice discrimination to properly adjust the same. Varieties differ greatly in the fiber of the first roots, the Enchantress family being notable for producing good, tenacious roots quickly; while Afterglow, the sturdiest, toughest stemmed variety in existence, must be handled with great care to prevent the loss of roots when taking from the sand, and must be allowed a longer time to mature.

Then arises the question, shall the cutting be dibbled into soil, or potted? The former procedure is the easiest and the quickest, but I feel sure that the extra work of potting and repotting is doubly repaid.

The young carnation that is planted in the field or in the flowering bench from a pot, with its firm ball of earth, enwrapped with a network of roots, will show no ill effect from the shift and will start right off into growth without a day's hesitation, while the lifted plant in handling and resetting loses most of the soil from around the roots, and receives a severe check from loss of moisture from its tissues, and especially is this the case if not revived by frequent showers soon after planting. Another strong point in favor of the young pot-grown carnation is exemplified when the plant is lifted from the field either for shipping or for immediate benching; the small pot ball of the springtime will still be found intact, greatly protecting the roots from serious injury. One might be led to suspect that the speaker was interested in the pottery business, for if all the carnation men decide to pot all their cuttings before planting it means millions of pots, but such is not the case; nevertheless if any of the pot men present want to "fix it" with the speaker, he will be glad to meet them after we adjourn.

We endeavor to get our young stock up into 3's before planting out, but very often in the spring rush some lots have to remain 2½'s and grow on very nicely provided they have not become badly potbound.

When the first warm days come on about mid-April, the inclination is to rush the stock out into the field, but I feel sure that it is a serious mistake to do so; in the house it has grown up in a temperature of from 45 degrees to 50 degrees, and with moisture judiciously supplied, so that it cannot but suffer and be seriously checked when subjected to cold, severe frosts very often, and worst of all to wet weather and a falling thermometer. In an ordinary season if the planting is fully finished by the first of June, good, big, healthy stock is assured providing your soil has been properly prepared and is possessed of full quantities of plant food.

We have come to the conclusion that cross-checking the plants in the field so as to cultivate them both ways with a hand cultivator is not so good as to give them more room between the rows and draw the plants closer together in the rows. By spacing the rows 28 to 30 inches, a horse and spiked-tooth cultivator can be used, greatly lessening the hand labor, beside loosening the soil to a greater depth. The inclination of the

hand cultivator is upward rather than downward, thus failing of the intent to a certain degree.

About July 1st we begin to condemn the benches that are not producing a paying quantity of flowers, emptying the wornout soil, and making them ready for our next year's hopes. It is now a recognized fact that the returns from carnations cut in June and July come nearer being "real velvet" than those cut at any other time in the year, providing the plants have had the proper care and have not been neglected during the late spring rush.

If there is any time in the year when the greenhouse laborer approaches mutiny it is when the task of wheeling out and wheeling in presents itself. If at this particular period of carnation culture the lady who strolls through the houses in the winter, remarking on the delights of "cultivating the fragrant blossoms," comes about once more, she certainly finds herself rudely disillusioned, for it is as hard, hot and disagreeable as working in a quarry or in the moulding room of an iron mill. The man who perfects a practical, mechanical soil carrier, not only has a fortune assured but the added blessing of every man relieved of this arduous and exhausting work.

A word as to soil; the old prescription, "3 parts of soil to 1 of well rotted manure, together with a generous sprinkling of bone, chopped fine and put on the benches," is bound to be superseded by more modern methods of soil preparation. There are a number of eminently successful firms in this country who take as long as five years in the preparation of their soil for indoor culture. The one vital principle to be observed is to have the manure and other fertilizers so thoroughly assimilated by the soil by means of leguminous crops and clovers, that the food is immediately available to the plant.

So much has been written concerning the careful lifting and quick resetting of the plants from the field, that I pass this item of culture, but wish to emphasize the necessity of the use of the Bordeaux mixture promptly on the establishment of the plants, generously applied, and given once thereafter every 3 or 4 weeks; it not only acts as a preventive of spot, rust and other minor diseases, but of stem-rot as well. By beginning in August with a weekly spray of Nicotidine and continuing throughout the year, we keep down aphids and also rid our plants of thrip. Red spider is controlled by an occasional application of salt water, together with syringing under high pressure on bright days.

The antiquated proceeding of mulching heavily in late summer or autumn has given way to light top dressings, through which the surface of the soil is always pliable and open to the free air, thus preventing any tendency toward souring. Lime, wood ashes, sheep manure and pulverized cattle manure, always applied sparingly, constitute the menu for our plants after they are "up and doing." Plenty of fresh air, whenever it is possible to admit it, insures a healthy free growing plant.

Not until October and November

do the plants throw character blooms, but if by Jan. 1st each plant does not show several blooms cut, something is decidedly wrong, either with the variety or with the culture given.

In regard to new varieties, we need them and they are interesting, and we must not forget that every variety that we grow was once an untried novelty; but it behooves every general grower to ascertain as far as possible the exact value of a "new one" before displacing an "old one" to make room for it in quantity. This national meeting is of inestimable value to carnation growers in that it shows just how well the standard varieties are holding their early vitality and position, and just what new sorts are surpassing their seniors in brilliance of color, perfection of form and in size. Only the finest and most productive sorts can in this day and time pay for standing room in the modern, up-to-date greenhouse.

THE SHAMROCK.

Says St. Patrick in the old song:

"I'm a saint come to serve you
and Patrick's my name"

and tells them he's going to have a tussle with the devil and then advises them to

"Go lay down in clover
Till the scrimmage is over"

and the poet winds up his many verses with the same refrain:

"It was Patrick's Day in the morning"

Another old Irish song has it:

"In his hat good St. Patrick used always
to wear

The shamrock whenever he went to a fair,
And Nebuchadnezzar no doubt highly
prized

A bit of the blossom when he went dis-
guised,

For the bosom of beauty itself might
expand

When bedecked by the shamrock of Old
Ireland."

Dion Boucicault's tragi-comic song,
"The Wearing of the Green," is a gem
of the first water.

When this song was written condi-
tions were different from when "The
Wearing of the Green" loomed up.

"May the sons of the Thames, and the
Tweed, and the Shannon.

Drub the foe who dares plant on their
confines a cannon;

United and happy at loyalty's shrine,
May the rose, leek and thistle long flourish
and twine

'Round a sprig of shillelah and shamrock
so green."

—Henry Conde.

This variation of the same old song
was used to celebrate a St. Patrick's
Day in Paris, 100 years ago:

"On the banks of the Seine and the banks
of the Shannon,

Let each Irishman sing
To his country and king,
And let each honest heart, whether Irish
or not,

Religiously think
'Tis his duty to drink

On St. Patrick's day in the morning."

—Sir Jonah Barrington.

"I'll seek a four-leaved shamrock in all
the fairy dells,

And, if I find the charmed leaves,
O! how I'll weave my spells,

I would not waste my magic might
On diamond, pearl or gold;

For treasure tires the weary sense
Such triumph is but cold;

But I would play the enchanter's part
In casting bliss around—

O! not a tear nor aching heart
Should in the world be found."

—Samuel Lover.

The four-leaved shamrock was sup-
posed to be gifted with magic prop-
erties, but it is not nearly so uncommon
as is generally supposed.

OUTDOOR FLORICULTURE IN NORTHERN STATES—PRESENT DEVELOPMENT AND FUTURE MISSION.

(A paper by Richard Rothe read before
the Bar Harbor Horticultural Society
at the March meeting).

Broadly speaking, the New England
states have a well established and
enviable record in all lines of outdoor
floriculture as far north as Boston.
Beyond the Massachusetts boundary,
however, the horticultural fraternity
of this country still looks with more
or less doubt. Maine, New Hamp-
shire and Vermont have not been
heard from often enough to make an
impression. I don't think I am exag-
gerating when stating that in the
minds of a great majority of Ameri-
can horticulturists floriculture within
those states is still in its infancy and
little is expected of this section in the
near future. While this may properly
apply to the thinly settled regions it
hardly does to our larger cities.
Floriculture as a means to beautify
home surroundings and city squares
is better understood and becomes
more noticeable year after year. For



RICHARD ROTHE

obvious reasons we find it farthest
advanced along the seacoast line.
With the establishment of fashionable
summer resorts and subsequent build-
ing of cottages the desire to have the
immediate surroundings laid out in
the customary lawn like shape,
planted with trees, ornamental shrub-
bery and some flowers followed. It
was, and in many cases still is,
simply the introduction of the con-
ventional city suburban lawn into the
native spruce and pine region of the
North. Whatever little of flowering
everyday bedding plants during the
early stages of development were em-
ployed, were supplied by the large
far away central markets. The com-
paratively short growing seasons, the
uncertainty of plant material coming
a long distance from a much warmer
climate thriving, not to speak of the
frequent absence of skilled labor for
proper handling and care, proved in
many instances serious obstacles in
the pathway of quick advance. The
rapid floricultural progress of Bar
Harbor is first and last due to the
early employment of high class pro-

fessional plantmen and subsequent
foundation of her own plant growing
industries. To lay bare the floricultu-
ral possibilities of a region, which
at the beginning must have looked
near to hopeless, required a vast
amount of patient experimenting.
There is no need to talk to you of
the many disappointments, or, on the
other hand, of the many happy sur-
prises the northern floriculturist
meets with, but it is safe to say, that,
so far the latter by far have out-
classed the former in number and im-
portance.

A Favoring Climate.

It was one of the happy surprises
to find out that we can safely em-
ploy many of the Azalea mollis and
pontica varieties along the Atlantic
coastline as far north as Canada.
Calycanthus floridus, Cydonia japoni-
ca, all the free flowering deutzias,
diervillas, forsythias, bush honey-
suckles, mock oranges, spiraeas and
viburnums have proven perfectly
hardy and the rich florescence of im-
mense lilac bushes gives evidence
that the climatic conditions of the
north are exceptionally favorable for
their growth. Let us hope that the
popularity of the hardy hydrangeas
and Rosa rugosas is soon to be shared
by rose varieties such as Austrian
Briar, Copper, Harrison's Yellow
and Persian Yellow. Likewise are
the rubiginosa Penzance hybrids and
the many comparatively new rugosa
hybrids worth serious consideration,
for they are not only perfectly hardy
within this locality, but also exceed-
ingly prolific in flowering. Hybrid-
perpetuals, teas and hybrid teas need
winter protection in New England and
more so along the Canadian bound-
ary. If carried through in good
shape and otherwise properly cared
for their growth is extraordinarily
vigorous, the crops of buds are heavy
and the period of their flowering long
lasting; not to mention the fortunate
absence of the obnoxious rose bugs
which often ravage crops of outdoor
roses in the Middle Atlantic states.

Glorious Color Effect.

There is no climatic or other hin-
drance for the free use of nearly all
the popular bedding plants as gerani-
ums, tuberous rooted begonias, helio-
tropes, salvias, petunias and so forth.
If there had been any doubt as to the
possibility of flowering such roots as
dahlias, gladioli and cannas, your mag-
nificent exhibits of last year's flower
show would have quickly removed it.
But, after all, there is nothing which
can eclipse the great success we have
had in the line of hardy biennials and
perennials. Not alone can we grow
wellnigh everything worth having, but
time has divulged the fact that we
can also cultivate many varieties up
to a perfection and floriferousness that
is simply impossible south of Massa-
chusetts. I said, "Cultivate up," lest
we forget that growing of perennials
in the north means increased atten-
tion, and in consequence thereof high-
er expenses, especially in overwinter-
ing, than in the Middle States. For
those few extras, northern grown
plants, after surviving our long, icy
winters under protecting leaf-covering,
hardy and vigorous, are ready to put
forth that wonderful sturdy growth,
rich floriferousness and brilliancy of
colors, which year after year compels

the unreserved admiration of the multitude of our flower-loving visitors. This marvelous color phenomenon manifested equally strong in the flowers of all our summer annuals, is variously attributed to the moderate average summer temperature, the always cool nights and, along the sea-coast line, the beneficent influence of the sea atmosphere. In the interest of all future progress I cannot emphasize too strongly that a liberal amount of care in the preparation and fertilization of the soil, timely irrigation, weeding and cultivating, are not less important, whenever first class results are desired.

Sometime ago I read an article on new *Amaryllis* hybrids and their magnificent outdoor effect in Florida gardens. I can easily imagine a mass of them in full bloom must be a floral revelation to the eye, still I cannot believe that they ever can vie with the splendor of hue, say, for instance, of a well assorted bed of Japanese iris. It is not necessary to go into any further details on color questions, for Bar Harbor, for years past, has witnessed veritable floral color carnivals in peonies, phloxes, irises and, in fact, in all hardy flowering plants, both perennial and annual. This remarkable clarity in tints and shades has hereabout elevated many varieties to the rank of salable cut flowers, which ordinarily, as such, find no market.

The Right Viewpoint.

I fear this brief recapitulation of facts to those of you who have been for years familiar with them, may seem a mere waste of time. Still just this familiarity is apt to make us near-sighted and by giving up our thoughts entirely to cultural and other particulars we lose the right view point to the matter as a whole. We may as professional floriculturists comprehend and take careful advantage of our opportunities as growers, but we should, at present, under no circumstances, misunderstand the hitherto mainly evolutionary character of the situation. Northern outdoor floriculture, in spite of its great productiveness, would have no future without a mission. Last fall, one of my customers when leaving orders for spring planting, summed up by saying: "Now please be sure and see that my little garden and my piazza boxes are again well attended to, for, you know, they help to rent my cottage."—A brief, clear-sighted statement, touching the matter from a sober, businesslike point of view. It pays a city, by the agency of floriculture, to beautify her squares and boulevards, for it helps to bring up the value of adjacent property and in turn increases her tax receipts. It pays house owners along residential city and suburban streets and avenues to call on the floriculturist and brighten up the summer aspect of their small front lawns, for concerted efforts in that direction will aid in giving the locality that air of refinement which attracts cultured people of means. It is a wise policy for the intelligent native population of northern seacoast districts to study and to avail themselves of ornamental shrubs, perennial and annual flowers, because the summer resort calls especially for neatness and beauty of home grounds.

There is, however, another mission

of northern floriculture which seems to me is of a higher order than the one just mentioned. That host of flower lovers who, as a health-preserving outdoor exercise, take delight in doing things themselves, can find no better opportunity than the invigorating summer climate of the north offers. To our cottage inhabitants there seems hardly a more enjoyable pastime than that of outdoor floriculture. After the large city market has reigned them during the winter with the floral output of acres under glass, they find in their summer homes amid the pines and spruces of Maine conditions altogether reversed. Here the northern grown perennial and annual is supreme and Iceland poppies, foxgloves and Canterbury bells have their innings. The change is as radical as it proves agreeable, and amateur flower growing



JOHN COOK

A Pioneer American Rosarian

has become a strong feature of northern summer resort life.

Avenues for Future Advancement.

As gratifying, however, as the ready popular response is, and as much as the present activity along this line may encourage us, we should not overlook our next task which is, as much as possible, to educate our patrons on the ways and modes to use our plants to their best effect. Since Bar Harbor from the very start has taken a leading part in the development of outdoor floriculture and her floral garden effects are known to represent the best artistic examples, it is natural that the North will more and more look to her and this society for competent counsel. In my opinion the time is at hand to give this problem a more careful thought as we have done so far. As a northeastern outpost,

situated far away from most of the nation's business centers it is not likely that we will see great exploits in elaborate landscape architecture in the near future. Summer residences on Mount Desert, the opposite mainland, shorelines and adjacent islands, as dwellings, are all of a more or less temporary character. The native vegetation and sceneries themselves are extremely attractive and beautiful. These conditions naturally limit extension and outlay on private grounds. The future will see a steady increase of all sorts of flower growing and attempts at gardening on a small scale, with the local professional in demand for intelligent advice. The excellence of the home grown hardy plant material alone should prompt us to direct the present private activity, by degrees, into those channels which lead to a higher standard of effect in outdoor arrangements. We are also face to face with the necessity of giving careful study to color harmony. Furthermore, the infinite variation of ground surface and the everchanging character of our native vegetation will demand thorough familiarity with the material, and here especially with the habit of growth and with singular as well as mass effects of hardy perennials. During my whole thirty years' practical career I have not found a single locality offering by nature so many rare and unique propositions for high-class miniature work in landscaping as does the North, and above all, Mount Desert Island; problems which would inflame ingenuity to enthusiasm and put mediocrity at once out of commission. To the trained eye a mere glance at some of our rugged granite ledges and their picturesque wild vegetation discloses ideal natural conditions for the rock garden, and yet, the flower-loving lady is very apt to turn a deaf ear to all our suggestions and decide on heliotropes and poppies; or a nasturtium bed may be the final outcome. Occasional disappointments on account of lack of understanding should, however, not in the least discourage us in the patient, tactful pursuit of our aims for the best effects.

Hardy Perennials Rank First.

To sum up: A careful study of the situation soon convinces us that the homegrown hardy perennials rank first in resistance. They should, in a general way, form the nucleus of Northern outdoor planting, with the more tender flowering bulbs, bedding plants and annuals as seconds. Many of the hardy perennials appear in no way out of place when in a natural, informal style mixed in among our wooded landscape. They are equally effective in the formal gardens and they give our plantings from the start a much desired stability, which, at no time, should be underestimated.

We find ourselves near the threshold of a new growing season. Soon a large contingent of the wealthy metropolitan population will return to their cottages amid our eververdant spruce and pine woods to enjoy the invigorating Northern summer. Let us not forget that the last and highest mission of Northern outdoor floriculture is to aid in strengthening the ties of attachment and in binding the bands of love for our home country and her beautiful North.

THE VALUE OF THE EXPERIMENT STATION TO THE FLORIST AND THE DUTY OF THE FLORIST TO THE STATION.

Address by Professor J. C. Blair, Head of Department of Horticulture, University of Illinois, Urbana, Illinois. Presented before the Illinois State Florists' Association, February 15, 1910.

In order to fully appreciate the value of the experiment station to the florist, it is necessary at the outset to have some conception of the nature and scope as well as the function of this great public institution known as the Experiment Station which has sprung up throughout the length and breadth of the land. These institutions are really the outgrowth of the discussions which took place at the meetings of our old time agricultural societies. Various kinds of model farms and test stations were proposed with here and there a real start made. The first station was a private institution established by Mr. L. Valentine at Houghton Farm, Orange County, New York, in 1876. An effort was made by the State of Connecticut in 1873, for the founding of an experiment station, but the bill failed to pass. It was this same year that the Experiment Station at California was established and 1879 when the Cornell Experiment Station came into existence. But our experiment station system in this country was not definitely established until 1887 as a direct result of federal appropriations for that purpose. Since the passage of this, the first Hatch act, there has been some modification in the laws governing these institutions and as the work has grown and enlarged, additional appropriations have been made. Yet from the first the intent and spirit of the law was the same; namely, "that it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies of the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under the varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds, etc., etc."

Surely here is a law, the nature and scope of which is sufficient to take in all the problems relating in any way to the business of floriculture. But if we glance back over the twenty-three years that these stations have been in operation, we see at once that the old established lines of agriculture, or those which have to do with all outdoors so far as the farm is concerned, have been the ones to receive especial attention and the bulk of the money. It is not until a very recent date that the florists' business in this country was thought to be of sufficient im-

portance to receive the especial attention of investigators in these public institutions. In fact, as I have gone down over the list of publications which have appeared as a result of these federal and state appropriations, I am surprised to find that out of literally thousands of bulletins and circulars, there are but forty-seven which are especially designed to be of help to the florists and gardeners, yet considering the fact that the florists themselves have not until recently been making any demands upon the experiment stations for help, this list really seems a commendable one. Scanning the pages of these publications which have appeared, we find many things of real and positive help to the florists' business. Take for example the work which has been done by various pathologists on the diseases of many greenhouse plants. How can we ever fully estimate the benefit derived from this source alone? If we take these and the many other things accomplished as an indication of what may be done in the future and then stop to reflect upon the rapid rise of the different phases of the floricul-



E. GURNEY HILL.

A Pioneer American Rosarian.

tural business during the past dozen years, we will be in a better frame of mind to correctly anticipate what the future holds in store for us. Think for a moment of the step in advance which will be taken when we actually arrive at that stage in our state history when Illinois will have invested in this business \$100,000,000 instead of \$20,000,000 as at present. Of what value will this enormous horticultural industry in this state be if we do not actually learn how to throttle the insect pests, or if we do not know the correct combination of those materials and elements which go to make up the proper plant food of each of those ever varying and complicated types which we grow for the delight and comfort of the multitude. We have at least one firm in Chicago which cannot really secure a sufficient amount of the organic fertilizer (manure, if you please) which is now required for their establishment. This

has become so serious a problem with them that, I understand, they are contemplating establishing upon their premises a large dairy herd whose chief business it will be to make fertilizer with which to grow the dainty blossoms that are to grace our tables. Now, it is not too much to expect that this experiment station, through the experiments already in hand, will definitely ascertain what combination of chemicals or commercial fertilizers can be, in part at least, substituted for the now very precious stable manure. It is my firm belief that there is no industry in the state which will receive a fuller measure of benefit from the money spent in its behalf than will floriculture. The fact that this industry is confined largely to the area encompassed by 20,000,000 sq. ft. of glass, or approximately 400 acres, makes it apparent that we are dealing with control conditions, in large measure at least, and the influence which we can exert upon our plants is greater by far than upon those crops grown in the open. Now, the particular way in which the experiment station will be of most value to the industry, will be in the development of new forms or types better adapted to the requirements of our advancing civilization. Yet of no less importance will be improved cultural methods which must come from long continued experiments designed to shed light on the food requirements of the different varieties grown under glass. There must be a constant effort to improve existing types. Not only that, but these must be protected from the innumerable enemies which beset them with ever increasing vigor as the industry expands. Again, the trade resulting from this industry must extend into every section of the country and this means that facilities for keeping and transporting flowers must receive careful attention and investigation.

As I allow my mind to project itself into the future, I see with a certainty, that is most encouraging, the thousands of commercial establishments that have grown up within our state, furnishing their thousands of employees with a comfortable living, bringing upon the tables and into the very life of all our citizens, that refinement, that grace, that sweetness of character, which comes alone from intimate association with and love for flowers. It will be not alone the commercial florists that have profited, nor those who have labored in one phase or another of the industry as helpers, but also all the people who will have learned to appreciate the value of a flower. How will all this have been made possible? I believe I can see with sure vision that it is because the investigator has worked long and faithfully on one after another of the many problems which your practical growers have called to his attention. Nay, you have not only called his attention to these things but you have insisted that our laboratories, our glass houses, and our other equipment shall have been used or applied to the problems unceasingly until its solution shall have been found. Not only that, but you have seen to it that the state has wisely appropriated the money which has been given back to the people, a hundred, yea, a thousand fold, through added beauty, pleasure and profit. When all this shall have been

accomplished, can we estimate the true value of the experiment station to the florist?

It is the duty of the florists individually and collectively within the state, to support in every legitimate way the work of their experiment station. The chief reason for this is the fact that it is you, the florists of Illinois, who have secured the appropriations and who are really responsible for the work undertaken. Most of you know, but there are many apparently who do not know, that there is a state law which says that the experimental work in floriculture undertaken by the University shall be along lines agreed to by the director of the experiment station and a committee of five, known as the floricultural advisory committee. This committee is appointed by the State Florists' Association. It is a committee of your own selection.

It is, therefore, understood that this body of people selects five of its most progressive and representative men, who shall give to the work their best thought and energy. Not only that, but these five men, being the representatives of the florists at large through their state organization, bring the mature and ripened judgment of all the best florists within the state to the meetings with the University officials. It is here at these meetings between the advisory committee and the station officials, where the plans are matured after the most careful deliberation. I recall with a keen sense of satisfaction the wisdom and foresight which was brought to bear on the work by the five men with whom we have met from your Association during the past two or three years, and I assure you, gentlemen of the convention, that if the work has been faulty, or if this institution has not accomplished all you have expected of it, it is not because of neglect on the part of any of these, our associates in the work. Hour by hour through many a long day, and well into the wee hours of the night, have the members of this floricultural advisory committee deliberated with us, seeking ways and means looking toward the best development of the work. I repeat, therefore, that what has been done has been your work.

The work has not only been planned but pushed forward for you and by you through this superb co-operation, which means so much in the way of public service. In the largest and best sense the entire University is your University, but the floricultural work in the College and in the Experiment Station is in a peculiar sense your own. You, through your representatives on this committee, have made the plans; we here are your servants striving in every way within our power to carry them out. It is, therefore, your duty as florists, to make your wishes known and to co-operate with us through your splendid organization. If you have problems on which you want help, remember that this floricultural plant which we have built belongs to you. It does not belong to me or my associates and we exhort you to make the equipment and the possibilities which lie within it serve your purposes in the best possible way. It is your further duty as florists to make your therefore, as florists to make your

A PORTLAND (ME.) FLORIST STORE.



The accompanying illustration gives a good view of the new store of E. J. Harmon Co. of Portland, Me. Description other than what is so well shown in the picture is hardly necessary. It is a credit to Portland and to Mr. Harmon and his manager,

Miss Hayes, both of whom appear in the photograph. The store is located on Congress street, the main business thoroughfare of Portland. A fine patronage has been gradually built up from small beginnings, until now E. J. Harmon Co. are the leading florists of the city.

wants known not only to us, but to your senators and representatives to the end that when those people meet at Springfield to decide on the very best way to dispose of the \$20,000,000 of state appropriation, that the florists, who are heavy tax-payers, will not be forgotten. So, let me again remind you that you have a serious duty, a constant and ever present duty toward this, your newly developed child at the State University. This youngster will need not only to be fed and clothed, but it needs some brothers and sisters. We have an excellent range of houses, but these must be devoted for a long term of years to the special problems for which they are now being used. If we are to do your work in the largest and best way we must have rose houses, chrysanthemum houses, violet houses, orchid and palm houses. What we have done thus far is but a beginning. We must go forward until there is here on the Campus of your University an equipment for Floriculture which will mean as much to this industry as does some of our other equipment to the other industries of the state. If, when this is all done, it should chance to be that we have not succeeded in adding one jot or tittle to the sum total of floricultural knowledge, the effort will have been worth while and the money will have been wisely spent because by it and through it there will have been developed in the hearts and minds of these three or four thousand students a love for and appreciation of flowers, the importance of which can only be appreciated by you men who spend your lives in this—the noblest profession or calling of mankind. Will we do our full duty; can we be made to see the glorious opportunity?

A "WIRELESS" FROM COLLEGE POINT, N. Y.

Roses, roses and roses are in greater number than ever at the big Schultheis establishment, full of bud and all ready to sparkle for the Easter buyer. Among the sensational sellers is the pretty dwarf growing Mrs. Cutbush. Mr. Schultheis endorses all that other observant growers have had to say about this variety. The flowers are of the daintiest pink and the buds being much darker give a peculiarly lively effect. Flower of Fairfield, the Ever-blooming Crimson Rambler, is another good seller, and the demand for it for all purposes is bound to increase amazingly as soon as the growers and the public become familiar with its characteristic of flowering on every young growth. Lady Gay, Hiawatha, Tausendschon, Star Flowered Rambler, Wedding Bells, Dorothy Perkins and Crimson Rambler are here in long ranks of balloon shaped, standard and bush form, and it is to be noticed that low, symmetrical bushes prevail and the very large specimens so plentiful in past years are no more in evidence. Besides the Mrs. Cutbush, already referred to, there are among the dwarf growing sorts Baby Rambler, Pink Baby Rambler, Baby Dorothy and Apple Blossom. Mr. Schultheis objects to the last named, sweet as it is, because of the propensity to shed its petals soon after opening.

Azaleas are studded with buds ready to break, double flowering peaches, genistas, lilacs, ericas, acacias, boronias, hydrangeas, bulb pans and last, but most important of all, the lilies, are all in good time for the early Easter, and are certainly a cheerful proposition after a tough winter full of more than the usual amount of anxiety.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Adiantums.

Plants started into growth from divided stock will now need careful attention. After repotting keep them moist, and if a few degrees more warmth be given they will make nice specimen plants by mid-summer, and a good many will be easily marketable at a much earlier date. For bench-grown adiantums for cutting purposes that have become nearly denuded of foliage by constant cutting, it is now time for a rest. In the interval between two main crops, water should never be entirely withheld but reduced to a minimum, while enough of moisture must be present at the roots to maintain the new growth. For a while just a light sprinkling will give all the moisture needed. When new growth attains size and shape water in the usual quantities can be resumed. While the plants are young and making luxuriant growth they will require more shade than later on, when the foliage gets hardened. These notes refer to *Adiantums Croweanum*, *cuneatum*, *gracillimum*, and *hybridum*.

Asters.

Successive sowings of the best strains obtainable should be made from now or until the middle of May. Use good fresh soil and, if heavy, it will stand a quantity of sand to lighten it up. A cool house of about 50 to 55 degrees is right for the seedlings. When about an inch high they should be transplanted into flats, small pots, or frames. Sow early, mid-season and late sorts in order to cover the entire aster season. Don't let them get stunted and root-bound in the seed boxes, thus weakening them and rendering them more susceptible to the attacks of diseases and insect pests. Many failures can be attributed to this one cause.

Crotons (*Codiaeums*).

Now or up to May is a very suitable time to propagate croton cuttings. If you can put them in a propagating frame so much the better; they can be aired frequently before being taken out so as to prevent a check when potted. In selecting the cuttings, only clean healthy wood should be chosen. They should be potted into small pots when rooted and care should be taken to keep them close and shaded for a few days. They must have a very moist atmosphere and frequent syringings to aid them until they get established. Plants that have outlived their usefulness can be mossed by cutting an upward incision and tying some moss around the incision which should be kept continually moist, the plant receiving only water enough to keep it alive at the roots. When roots have made their appearance the tops can be cut off, potted and handled in the same manner as cuttings as above mentioned.

Coelogyne cristata.

These orchids are very useful for the florist, being easily managed and profuse bloomers. The time for repotting or dividing is just after flowering. Although they can be grown on blocks of wood, pot culture is preferable. Plants which have

grown too dense will require separating and starting over; others will only require top-dressing—that is if the potting material is still good. A good compost may be formed of equal parts of chopped fibrous sod with the fine part well shaken out, peat fiber, sphagnum and some broken charcoal; the pots should be half-filled with drainage of clean broken crocks. The plants should be raised above the rim of the pot upon a moderate cone, and the compost pressed rather firm. After shifting, dividing, or top-dressing, spray them frequently and keep shaded. While coelogyne requires and enjoy a good supply of water in their growing season throughout the summer, when the growth of the bulbs is matured, just give enough moisture to keep the pseudo-bulbs from shrivelling. A temperature of 50 to 55 degrees suits them well. They enjoy a moderately cool house at all times.

Bougainvilleas.

These are splendid spring-flowering plants. The sprays of flowers are good for cutting and last for an almost incredible length of time, while as pot plants they are of great value for decorations. Those intended for Easter that are in flower will require plenty of water, and care should be taken that they do not get dry at the root, which is sure to give them a check. If flowers are well developed at this time they will be better to be moved into a cooler house. Cuttings of half ripened wood root easily from now until May, and will make nice plants for 6 or 7 inch pots by next fall.

Pelargoniums.

The chief point to be observed in working up a fine stock of fancy pelargoniums is to throw out all shabby, poor or stunted plants; they only help to disfigure any good collection. Those plants that have been shifted into 5 or 6 inch pots in January will be growing very fast now. When the warm days of spring come they will need plenty of water, but during cloudy or dark weather give very little water, as the principal thing to be avoided is dampness. Watch out for the aphids; they are bound to be troublesome. Nothing but regular and constant fumigation will keep plants from being injured by the greenfly. They thrive in a temperature of 50 degrees at night.

JOHN J. M. FARRELL.

Mr. Farrell's notes next week will treat of *Cobaea*; Time to Propagate; Handling Seedlings; Plants for Vases; *Caladium Esculentum*; Outdoor Sweet Peas.

"WIRELESS" FROM NAHANT, MASS.

Within sound of the roar of the Atlantic breaking on the rocky headlands of Nahant, swept by ocean breezes laden with health-giving properties for man and vegetation, the establishment of Thomas Roland at Nahant, Mass., is unique, and the combination of horticultural experience and good judgment with climatic conditions gives results which make a visit to the range of houses on the rock-bound peninsula a pleasure and inspiration long to be remembered.

Mr. Roland has just completed an addition of eight new houses of the most substantial construction: walls, gutters, benches—in fact, everything that can possibly be constructed of cement—are of cement and good for a lifetime.

Easter plants are in the ascendancy just now. The new houses are filled, in the main, with roses—*Hiawatha*, *Lady Gay*, *Tausendschon*, *Catherine Zeimeth* and a number of new claimants, including that lovely peach-pink double-flowered variety from France called in this country *Mrs. Taft*. Here one can see the perfection of pot rose training—*Crimson Ramblers* tied down till they form low dense bushes laden with flowers, which practically hide the pot. Charming little specimens of *Hiawatha* ready to burst into a galaxy of bloom and all the so-called "Baby" *Ramblers* in bewildering variety bear testimony to the fact that the rose is rapidly coming to its own as an Easter specialty, second to nothing else. All the roses on Mr. Roland's place are grown from cuttings home-raised.

There is an interesting proposition in a bench of *calceolarias*, raised from seed of George Stewart's hybrid between varieties of the shrubby and herbaceous sections. These plants will be in bloom in May and will be worth watching. *Acacias* are here in more than the usual number of species to be found in commercial establishments. There are *pubescens*, *armata*, *longifolia*, *grandiflora*, *heterophylla* and *Baileyana*, besides a number of others not yet in salable stock; *Erica cupressina*, *melanthera* and *persoluta rosea* seem to revel in the saline atmosphere, and *boronias*, *bougainvilleas* and other standard Easter plants are at their best. Of *hydrangeas*, there is an interesting display, for here all the new and improved sorts get a fair trial and among those seen in quantity are *Souvenir de Clair*, a handsome, neat habit-ed pink variety, and *Avalanche*—the latter destined to supersede *Thomas Hogg* and the later variety *Joan d'Arc*.

Genistas trained in the form of Swiss flower baskets on home-made frames make one covetous to possess them. *Amaryllis* in dazzling array and *imantophyllums* fairly blaze in the sunlight and particularly in the case of the latter one is forced to wonder why it is that the commercial plant grower has overlooked these gorgeous gems among spring blooming bulbs.

Lilies? Of course, 10,000 plants in one house alone. In another 25,000 candytufts in 2-inch pots ready to occupy the space when the lilies vacate at Easter, and make for the enterprising owner from the Decoration Day receipts, the price of another range of houses! And there are 30,000 leaf-struck *Lorraine begonias*, best ever in Mr. Roland's inspiring career.

Just a word more. The hot water which plays so important a part in the fine work done at this notable establishment gets its push and effectiveness from that little giant of modern greenhouse equipment and economy—the *Castle Automatic Circulator*. So says Thomas Roland—and he knows!

SOCIETY NEWS FROM ABROAD.

Royal Horticultural Society.

The annual report has just been issued by which it appears that the total number of members to the end of 1909 was 11,030, truly an enormous number for any horticultural society. The vacant V. M. H. medals were offered to Messrs. W. Botting Hemsley, J. H. Goodacre and A. MacKellar. It is announced that the Society has in contemplation the holding of a great International Horticultural Show on similar lines to that of 1866. This will probably take place in 1911 or 1912. Negotiations are pending with the Findley Library trustees, with the object of uniting the library more closely with the R. H. S. Last year the Society sent deputations to the Berlin, Birmingham, Gloucester and Cardiff shows and this year a deputation will be sent to the International Bulb Show at Haarlem.

A party of 90 German horticulturists, who came to visit English gardens, were entertained by the R. H. S. to luncheon on the occasion of the Holland House Show and expressed themselves pleased with their reception and also the magnificence of the show.

Portraits of Baron Schroder, Sir Thos. Hanbury and Mr. Harry have been or are to be shortly presented to the Society. The book of arrangements for 1910 gives very full details of the work to be done during the present year.

National Dahlia Society.

This society, with which is now incorporated the London Dahlia Union, held its first conference on March 1st at Carr's Restaurant, Strand, London. The following papers were read: Dahlias for Garden Decoration, by George Gordon; Growing Dahlias for Exhibition, by J. Stredwick; Methods of Exhibiting Dahlias, by J. B. Riding.

National Sweet Pea Society, England.

The schedule of prizes for 1910 is just to hand. We see that the tenth exhibition will be held in the Royal Horticultural Hall, Westminster, on the 12th and 13th of July next. There will be no provincial show of the society this year. Among the prizes are the Sutton Cup, the Henry Eckford Memorial Cup, the Provincial Challenge Cup, the W. Atlee Burpee Challenge Trophy, the Horace Wright Challenge Trophy, the Walter Voss Challenge Cup.

Garden Life Year Book and Who's Who in Horticulture.

The issue for 1910 of this new annual, which only came out last year, is a great improvement on its predecessor. Apart from the ordinary matter the section entitled "Who's Who

in Horticulture" contains short biographical notices of about 300 eminent English horticulturists, who they are, and what they have done. There is no other English garden annual that supplies these details, and as a work of reference in this respect the book should be of great value.

French National Chrysanthemum Society.

This society now numbers 784 members, of which 61 are affiliated societies. The 15th Congress will be held in Paris next November, under the auspices of the National Horticultural Society of France. The January number of *Le Chrysantheme*, the society's official organ, contains an excellent photogravure of the members of the Marseilles Conference, several literary articles on matters referring to the chrysanthemum and a continuation of the report of the Marseilles Conference.

L'Association Francaise des Amateurs et Jardiniers Chrysanthemistes.

This is a flourishing chrysanthemum society, whose headquarters are at Paris and in a way a rival to the older established Societe Francaise des Chrysanthemistes of Lyons. The membership is now over 800. Its official publication, "*La Revue Chrysanthemiste*," is published regularly every month and, like the other society, it holds an annual conference.

We have just received a copy of the society's new publication, "*Grammaire Chrysanthemiste*," a cultural manual, well printed and liberally illustrated, of about 140 pages. A pretty little badge for the use of members has been struck, representing a flower of the chrysanthemum. It is supplied in silver gilt to members only.

Brussels International Exhibition.

In connection with the Brussels International Exhibition of 1910 an International Horticultural Congress will be held. It will take place from April 30 to May 3, and the program has recently been circulated.

All persons interested in horticulture are invited to take part and societies can also be represented. Particulars may be obtained of M. Ed. Rodigas, 229 rue de la Consolation, Brussels.

The subjects for discussion are divided into seven sections with a committee to preside over each. They are as follows: Floriculture, Fruit Tree Culture, Market Garden Culture, Science and Popularization of Horticulture, Horticultural Economy, Horticultural Construction and Engineering, Special Appliances, such as Electricity, etc.

ENGLISH COMMENT ON SOME OF THE NEWER CARNATIONS.

We clip from the *Horticultural Trade Journal* of London the following notes on the behavior of some of the recent introductions in carnations under English conditions:

Apple Blossom. Is a delicate pink, shading off to white at the outer petals of the flower. When the flowers are good it is a beautiful fancy variety, but these too often come to a poor white. The variety is too uncertain to be of any commercial use.

Alvina. A deep cerise, similar in color to *Aristocrat*. The flowers are not large, but of refined appearance. The one redeeming feature of this variety is its excellent habit of growth, which is very quick and free. It may prove a good market variety.

Black Chief. A dark crimson with the old clove scent. It has a wonderfully free habit of growth, and makes an exceptionally large plant. With some growers it has been a little slow in coming into bloom, but there is no doubt about its total crop of flowers exceeding all other crimson.

Bay State. A white pencilled carmine, in the way of M. A. Patten. It carried all before it in America last season owing to its large massive flowers, but over here the flowers are small, and growth, whilst being exceptionally strong, is very slow. No doubt it will show up better in the spring.

Fortuna. A yellow variety with a trace of buff in its color; the flowers are not large, but the plant grows well and is very free. A great advance in this class of color.

Lady Dalnty. Purely a fancy Carnation. White, overlaid with pale purple. Short compact habit of growth, and flowers with the strongest perfume.

Lucille. Yet another fancy Carnation in the way of the old *Prosperity* class. The flowers are large, and rich in color. Its habit of growth is rather inclined to be weak, but the stem is wiry. This may prove a commendable variety.

May-Day is the one variety which has been talked about. The flowers are not large, but of shapely build, with almost smooth edged petals. The habit of growth is wonderfully free, producing a phenomenal crop of bloom. There is some doubt as to its lasting qualities.

Mr. Chas. Knopf. A seedling from *Enchantress*, and is similar to its parent in all details, except that the color is a few shades deeper, and the calyx decidedly stronger. This variety may prove of great merit.

Mrs. J. C. Vaughan. A white variety, which was largely advertised in America. As yet it has failed to make good over here, being slow in coming into bloom. The flowers are exceptionally large, but the petals lack tissue.

O. P. Bassett. The scarlet variety of American origin. One which has had a record sale in the States. The color is very bright, flowers large with fringed petals. Planted out on benches it is a little slow, but in pots it gives great promise, a variety all should grow.

Pink Delight. A salmon pink. In growth and build of flower it is very similar to *White Perfection*. It will not prove a great producer, but the flower is of high quality.

Rival. One of the art shades which promise to be so popular. It might almost be described as a bright salmon red. The flowers are large with big guard petals, sound calyx, and an exceptionally free habit of growth.

Ruby. This variety has not lived up to its name over here, and is disappointing. It is not ruby in color but crimson maroon in the way of *Harry Penn*. Indeed, it reminds one of that variety. The color is affected a little by dull weather, also it splits a little.

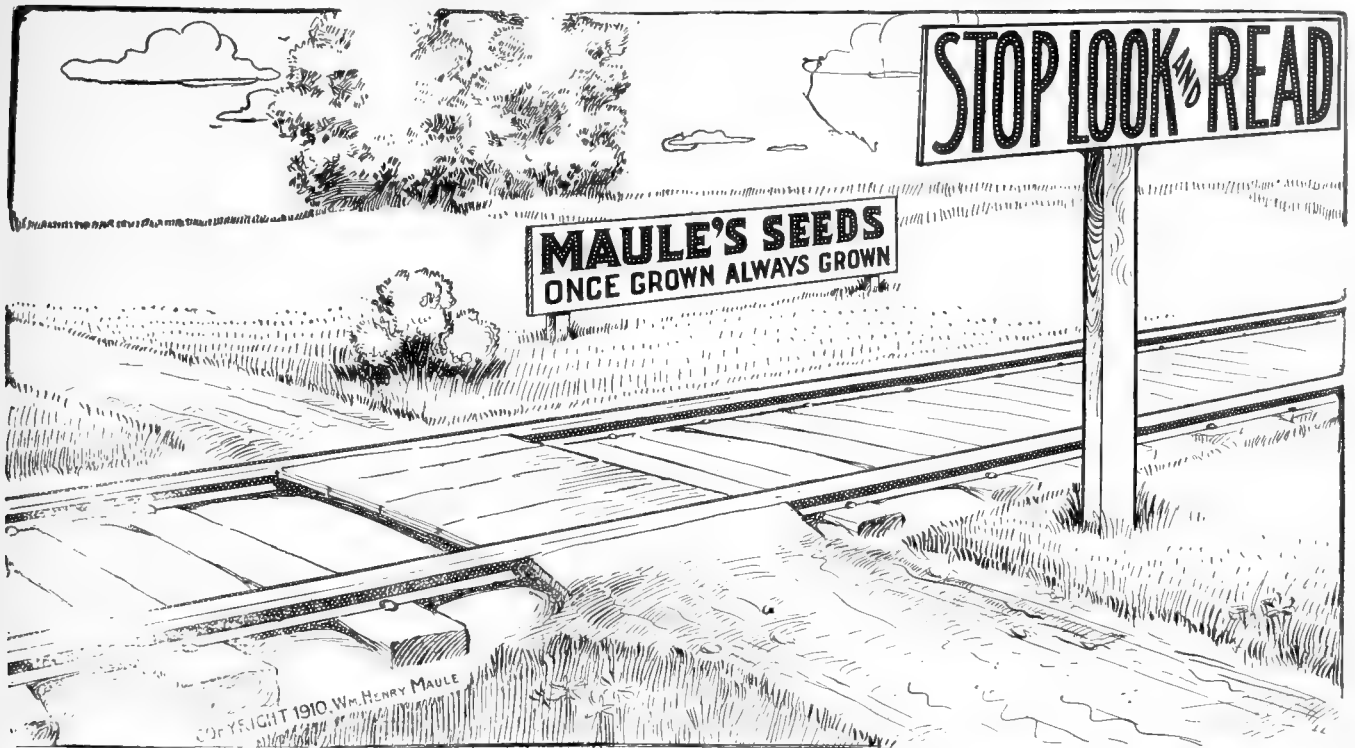
Rose Dore. This has been well shown by its raiser and will live up to the high standard set. It is described as a salmon rose, quite a new shade of color, but sure of a large sale. The habit is pretty strong with a good calyx and flowers large.

Royal Purple. Yet another new break in the *Perpetual Flowering Carnation*. Quite a rich purple shade which shows up well in artificial light, and will be a most popular novelty. Of good size, with one of the freest habits of growth.

Wacoa. A crimson seedling from America. The name is Indian, and means "one of a kind" and in the case of this variety, it is something to be thankful for.

W. H. Taft. A very indifferent red variety, rough in appearance and weak in stem. A great pity it was given so good a name.

Chas. H. Payne



Few gardeners have any idea of the size of the Maule Seed business. To one firm of celery growers I have sold in the last five years over 1,000 pounds of my XX Golden Self-Blanching Celery seed; this year I have already shipped them 200 pounds for their own planting. To another gardener I shipped last year \$550 worth of Maule's Prize Earliest Cauliflower; this year I am getting \$100 per pound for this seed. In one county in New York last season I sold almost 1,000 pounds of my selected Danish Ballhead Cabbage. One of my customers last year cleared up \$3,375 net on 15 acres of Maule's Earliest Valentine Beans, another made \$9,000 net profit on a 50-acre field of White Bush Squash; another, on 300 acres on an Island in the San Joaquin River, in California, made a net profit of \$92,000 on Maule's XX Golden Self-Blanching Celery. In the small town of Sunnyside, Wash., I shipped last year direct to growers 110 pounds of Maule's Earliest of All Tomato seed, while in a small town in Texas, with a population of 25, more than \$3,000 worth of Maule's Seeds are annually consumed.

I will be glad to send my Seed Book for 1910 to every reader of Horticulture who will send me their address on a postal.

Other facts are that in the last five years I have paid the U. S. Government \$214,898.07 in cash for postage. For years I have received more registered letters at the Philadelphia Post Office than any other Philadelphia seed house. In my home State of Pennsylvania alone I have 67,801 customers, fully 15,000 more than any other seed house in the country. During the late Boer War more cases of Maule's Seeds, bound for the Transvaal, were held up by the British Army than of any other seedsman, whether French, German, English or American. These facts may prove of interest to readers of Horticulture who do not know Maule. Maule's Seeds have today a reputation surpassed by none, equaled by few, and as you can get

YOUR MONEY BACK IF NOT SATISFIED

you need this book in your business. Send me a postal today and put money in your pocket.

More than 1,000 local Florists annually plant Maule's Seeds.

Wm. Henry Maule, 1761 Filbert St., Philadelphia, Pa.



SEASONABLE NOVELTIES IN FLORISTS' SUPPLIES.

All florists are interested in the latest in spring and Easter novelties in the way of baskets and other florists' supplies.

To get a grasp on these your correspondent had to get expert advice, hence a visit to the warehouses of M. Rice & Co., which amply repaid for the time taken.

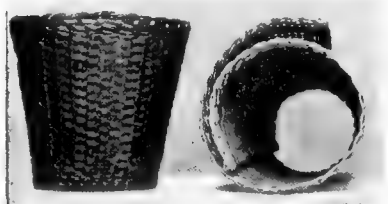
Under the courteous escort of Mr. Eschner, of the firm, we saw and were amazed at the many beautiful things they were offering this spring and the development this business has under-

—so that they are really cheaper in the end and, being non-inflammable, escape the ban of the fire insurance people.

The next big item was the stacks and stacks of Porto Rico matting for pot covers. The old crude idea of this wood fibre matting has been vastly

tion than the old type of pot cover made of crepe. The Adjustable is woven with rubber and will fit any pot of its depth so one has only to order accordingly making a substantial saving in the amount of stock to be carried. And we are shown something even better—this being made of rattan with two steel springs woven on the inside. This also is made to fit any width of pot and is open down the side. All one has to figure on is the depth of pot.

One of the best selling novelties of the season is what is known as the



Rattan Adjustable Pot Cover.

gone in twenty-five years. A ten by twelve shop has become a seven-story warehouse covering acres of floor-space—and the end is not yet, if we may judge from the building operations and additions going on around this establishment.

An immense pile of purple beech branches Mr. Eschner explained were ordered for a big decoration in a western city. On the suggestion that beech branches were a fall item, it was explained that this specialty is non-combustible and has been indorsed by the underwriters' association, so it's the thing for spring also. Wild smilax is under taboo because it gets dry and brittle and dangerous. The first cost of the beech spray is greater but they can be used again and again



M. RICE

improved upon. It looks now as if it were made out of the much more costly raffia instead of wood fibre. This effect is obtained by crushing the strands on the cross grain and leaving them plain on the other, producing a softer, more pliable and altogether better mat. Also piled up for shipment, a most noticeable thing was the new self-adjustable pot cover. This is a far different and better proposi-



Etruscan Basket.

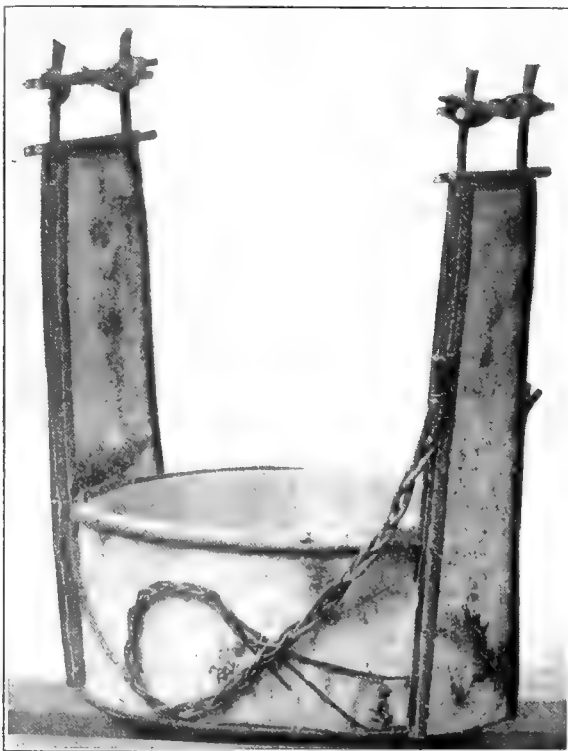
natural brown twig baskets. The sombre color harmonizes with any color of flower and the artistic and novel shapes give a finish to even inexpensive floral work otherwise unobtainable. One of the most popular styles is what is called the coracle—a sort of round boat-shaped effect.

A new idea is the tumbler basket. This is built to hold an ordinary tumbler and is filled with flowers—the big handle and the natural brown twigs give the most graceful and charming effect. These come besides in green, gold, and other shades; and also in white birch. What we might call a cradle basket in natural willow with a sweeping bow handle, sashed on top, with a bunch of twigs is an excellent new form and especially suitable for two or more plants, each side showing with ribbon overhanging. A rich result at small cost can be obtained by judicious use of this style of basket.

Next comes what Mr. Eschner seems to think a gem—the Dutch basket! A magnificent seller. Well, everybody to his taste. The Dutch basket has a box-like body with high side handles. It is of white birch bark in the body with natural twig handles at the sides-standing straight up. As to its charms your correspondent passes and confesses lack of up-to-date artistic taste.

The American Beauty basket is a long high concern (with no diameter to speak of) and a sweeping bow handle. This is made to drop a fibre or other vase in. Very effective. There are a lot of high-priced contraptions for American Beauty with long stems. But this seems to us the most sensible of all. It fills the bill artistically and costs far less than the best we have seen in the last twenty years.

We now come to the ribbon department with its bewildering array of rolls and colors to meet the needs of every imaginable flower tint and shade. To describe same is beyond us. All we can say is that any florist who cannot be satisfied here—whether in variety, quality or price, must be the Admirable Crichton of florists, for sure. One ribbon item we will ven-



Dutch Basket

Headquarters for Hardy

Japanese Lilies

FOR IMMEDIATE DELIVERY



The Hardy Lilies are planted by many florists now. They bloom outdoors in July and August and are extremely useful for decorative purposes. The Auratum, Album and Rubrum are excellent for forcing.

	Per doz.	Per 100	Per 1000
Lilium Auratum (Golden Banded Lily).			
8 to 9 inches	\$0 90	\$6 00	\$50 00
9 to 11 inches	1 25	9 00	80 00
11 to 13 inches	2 25	15 00	140 00
Lilium Auratum Platyphyllum. A great improvement on the old Auratum, otherwise similar except that the flowers are very much larger.			
8 to 9 inches	1 50	10 00	90 00
Lilium Album (Praecox). Pure white.			
8 to 9 inches	1 10	7 50	72 50
9 to 11 inches	1 60	12 50	115 00
Lilium Album Kraetzeri. Pure white; an improvement on Lilium Album.			
9 to 11 inches	2 25	15 00	135 00
Lilium Magnificum (Rich pink).			
8 to 9 inches	1 00	6 00	55 00
9 to 11 inches	1 25	8 50	82 50
11 to 13 inches	2 25	16 00	150 00
Lilium Melpomene (Pink).			
8 to 9 inches	1 00	6 50	60 00
Lilium Rubrum or Roseum. Beautiful pink, spotted crimson.			
8 to 9 inches	85	5 00	47 50
9 to 11 inches	1 25	7 50	72 50
Lilium Tigrinum Splendens. Single Tiger Lily. Orange, spotted brown. We offer large imported bulbs.....	80	6 00	52 50
Lilium Tigrinum Flore Plena. Double Tiger Lily. Large imported bulbs..	1 00	6 50	60 00

Write for our wholesale catalogue

HENRY F. MICHHELL COMPANY

518-1018 Market Street

Philadelphia, Pa

LILIUM AURATUM

Cold Storage during June, July and August

ture to mention, however, and that is what is called "silk stripping." This is made of raw silk, and is mostly about one inch in width. It makes up equally as well as regular ribbon costing twice the price. In fact, it is glossier and holds its shape far nicer than anything else, no matter what the cost. This "silk stripping" comes in all shades called for in the flower business.

day—which find a ready market. There is a green twig flower basket with a mildew effect that especially illustrates this.

Of course, we have to take note of the flying machine baskets, and aeroplanes and automobiles, and sleighs! There is more demand for these things than one might think. Not only in the effete East but in the virile West,

the imported carry the day. In the work rooms on the third floor, basket making, wheat sheaves, wedding outfits—and goodness knows what all—are in brisk operation all the time. This is where the Rice trade mark, "originators," comes in, and also where in most cases they are able to hold their ground in the face of all competition when it comes to a question of price.



Natural Willow Plant Basket.



Crepe Adjustable Pot Cover.

Ascending to another floor we come on more baskets. The Etruscan chip—simple, effective and cheap—no wonder it has had a great run. The merit of this lies more in the ingenious working of the bronze green exterior than in anything else. There is a bronze garland draped around in permanent, yet inexpensive style. And, by that same token, this dull bronze and green is carried out in numberless other patterns of baskets seen on this floor and is one of the hits of the

the desire to be up-to-the-minute seems strong. One enterprising florist down South sends in a recent order explaining that he is to have a rooster for pilot with lots of little Easter chicks down below which he is to sell at a quarter. This for a flying machine.

The trade as a rule, says Mr. Eschner, is partial to natural willow and most of the designs in that connection especially in the larger sizes are home-made; but in the smaller sizes

Waban Rose
Conservatories

NATICK, MASS.

Home of The
WHITE KILLARNEY

Buy Our Roses
And Get The Best

Seed Trade

Prosecutions in Iowa.

Seed men all over Iowa are being closely watched by the state food and dairy commissioner, Wright, who has already instituted proceedings against several for selling seeds not up to the standard of purity as required by law. Prosecutions against the following for alleged violations were started:

C. E. Briggs, Onawa, for selling clover seed only 80 per cent pure. The state law requires that it be 90 per cent. pure. J. Lohrman, Wheatland, for selling clover seed only 83 per cent. pure. C. E. Briggs, Onawa, for selling sugar cane seed 85 per cent. pure, the law requiring that it shall be 95 per cent. pure.

CATALOGUES RECEIVED.

W. B. Longstreth, Gratiot, O.—"Seed Annual and Bargain Catalog."

E. E. Stewart, River Junction, Mich.—Wholesale Trade List of Gladioli for 1910. A selected list.

John D. Imlay, Zanesville, O.—"A Few Choice Seeds and Plants, 1910." A useful little retail catalogue of garden material.

M. Crawford Company, Cuyahoga Falls, Ia.—Catalogue of Strawberry Plants and Other Small Fruits. Contains concise and excellent cultural instructions for strawberry growing.

Wagner Park Conservatories, Sidney, Ohio.—Catalogue Number 18. One of the artistic publications of its class. Printed in dark green ink, well arranged, with half-tone illustrations of stock and plantations.

Northrup, King & Co., Minneapolis, Minn.—"Sterling Seeds" 1910. This is the 26th annual issue of this big catalogue. Like its predecessors, it is very complete and comprehensive in all departments. The front cover is especially pleasing with a finely colored clusture of single poppy flowers.

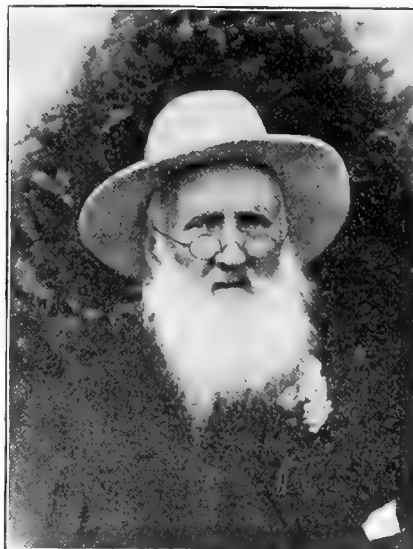
H. G. Hastings & Co., Atlanta, Ga.—Seed Catalogue No. 38. Cover in plum color with white lettering and a big bunch of cotton bolls makes a striking feature. Watermelons of luscious appearance adorn the back cover. Cotton seed of superior quality is a special feature with this house.

W. E. Dallwig, Milwaukee, Wis.—Seeds 1910. A showy and impressive catalogue; covers almost plain, daintily adorned in violet and gold. Many special illustrations on cream colored inserts scattered through the book are sure to attract attention. Also from same firm, Wholesale Price-List of Seeds in Bulk for Market Gardeners.

R. Vincent, Jr., & Sons Co., White Marsh, Md.—Wholesale Trade List of Vegetable, Greenhouse and Bedding Plants, 1910. This firm's specialties are well known. The list just received gives a very complete selection of variety that every up-to-date florist and market gardener should have. Hardy chrysanthemums, dahlias and geraniums are particularly strong in meritorious novelties and the vegetable plant department is well filled with seasonable things.

HENRY ECKFORD.

We are indebted to W. Atlee Burpee & Co. for the photograph reproduced herewith of the late Henry Eckford. This picture, heretofore unpublished, is considered to be the happiest and most striking ever taken of this grand old English gardener, and we are glad to be able to present it to our readers in memoriam of the good work he accomplished in many lines—especially in sweet peas, in which he was the pioneer in the modern large-flowering strains. Much splendid work has been done by others since; but we should always remember that Eckford was the father of them all. It is interesting to note in this connection that the first American recognition of the Eck-



HENRY ECKFORD

ford achievement appeared in Boston; the Breck Company being the first to catalogue the new strain. This was good, and all due credit is awarded; but the real boom started when Burpee took a hold of them. It was Burpee (or rather Burpee's manager, Howard M. Earl), who discovered Hutchins—the New England clergyman who has since done so much—under Burpee's encouragement, by tongue and pen, for the sweet pea. Eckford, Burpee, Hutchins—our national society should have their pictures on every piece of literature they send out.

Bath, Me.—William R. Kimball, proprietor of the Pine Tree State Seed Co., recently enlarged his business by the purchase of the Eastman Seed Co. of East Sumner, formerly owned and operated by Mr. W. H. Eastman. The sale includes Mr. Eastman's list of customers, also all of his specialties.

EARLY TOMATOES

In Concrete Plant Pro-tectors. For use in garden or field. Keep out frost and draw heat. Set plants in the field a month earlier. Field trials show four times the yield, ripening a month ahead of season and value increased 100 times. No blight or insects. Useful for lettuce, rhubarb, melons, etc. Hold water for irrigation. Patent just issued on protection; and line wire opens or closes 100 instantly. Illustrated treatise tells how to make them quickly at 2c. each, how to make mold at 25c. Also full information about this method. Each purchaser of book has privilege to make mold and protector. Mention this paper and send \$1.00 for book. Money back if not satisfied.

J. H. HALEY, Seed Grower, Munich, Mich.

Every Florist Who Grows Asters

Should send for our Aster book immediately. Get your name on our files for our regular Florists' Wholesale Catalogue. These books are free.

James Vick's Sons
ROCHESTER, - N. Y.

Mention this paper

—GREEN— Cane Stakes For Your Lilies

6 to 8 ft., \$7.00 per 1000

WM. ELLIOTT & SONS,
42 Vesey St., New York.

CABBAGE Wakefield and Succession. \$1.50 per 1000. \$8.50 per 10,000.
PARSLEY 25 cts. per 100.
LETTUCE \$1.25 per 1000.
BEET PLANTS Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000. \$1.25 per 1000.

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R. VINCENT, JR., & SONS CO.
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SEEDS THAT GROW

Best quality Vegetable, Flower and Farm Seeds, Alfalfa, Clover, Seed Potatoes, etc. Do not fail to try our catalog a packet of our New Coreless Tomato, the best 5 varieties on earth, postpaid for 40c. We also carry full line of Nursery stock. **German Nurseries, Box 236, Beatrice, Neb.**

ONION SETS — POTATOES

Early Ohio Potatoes, \$1.10 bu.; Early Irish Cobblers, \$.85 bu.; Genuine Danish Ball-head Cabbage Seed (imported stock) \$.40 lb. All Early Radish seed (French Stock) \$.40 per lb. Northern grown Yellow or White Onion Sets, \$.20 per bu. All F. O. B. Syracuse. Remittance with order. Reference any bank in Syracuse.

F. H. EBELING, Seedsman
Established 1868. **Syracuse, N. Y.**

Onion Seed Onion Sets

We are extensive growers of and dealers in choice varieties.

Write us for prices.

SCHILDER BROS., Chillicothe, O.

ESTABLISHED 1820

Thorburn's Seeds

HIGHEST GRADE ONLY

Send for special wholesale catalogue
for Market Gardeners
and Florists.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all,	Oz. Tr. Pkts	
6 Tr. Pkts. \$1.25		.25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts.		
\$1.25	\$5.00	.25
Phlox dwarf Fireball	2.50	.35
" " Roseball	2.00	.3
" " Snowball	3.00	.40
" " Cecily, all shades mixed	2.50	.35
Salvia Zangen's Fireball, fine for pots, early	4.00	.50
Salvia Zangen's King of Scarlets late	10.00	.50
" " Zurich, earliest dwarf	8.00	.50

For Other Seeds See My New Catalogue.
IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at
any R. R. station in the United States for \$12.50.
Prompt shipments. Write to day for full information.

B. G. PRATT CO. Manufacturing Chemists,
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Stock Seed

Fiske's Branching in
all colors. Tr. pkt. 40c.
oz. \$4.00.
Pure White, Tr. pkt.
50c. oz. \$5.00.
Also Beauty of Nice
strains.
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CATALOGUE

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For florists, seedsmen, etc. Photographs
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THE HOME CORRESPONDENCE SCHOOL
Dept. H. A. Springfield, Mass.

Announcement.

The Holmes Seed Co., of Harrisburg, Pa., beg
to announce that they will be represented at the
meeting of the

National Gardeners' Association

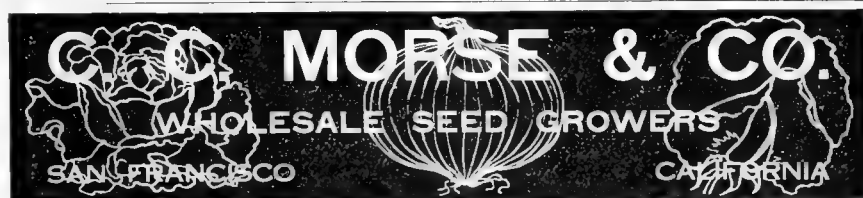
IN

Philadelphia — Horticultural Hall

March 15, 16 and 17

by Mr. C. H. Carr (late of Boston), who now has
charge of this department in the above company.

Any courtesies extended to him will be appreciated



LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS 79 and 81
FLOWER SEEDS Get Our Prices E. KINZIE STREET, CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

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37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE
Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CAULIFLOWERS CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.

Longangsstraede 20,
COPENHAGEN, DENMARK.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

NEW PRICE LIST

of my celebrated winter flowering Sweet
Pea Seed is being mailed. If you have not
received a copy please send for one. New
crop of seed will be ready around July 15th
next.

ANT. C. ZVOLANER

Bound Brook, - - - New Jersey

SEED for FLORISTS TRUE IRISH SHAMROCK

24c Trade Pkt.; \$1.00 per oz.
Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

NEW CROP FLOWER AND VEGETABLE SEEDS FOR FORCING

Asters, Salvias, Vincas, Verbenas,
Stocks and Petunias, Tomato "The
Don," Onion "Ailsa Craig," Mush-
room Spawn—English and Pure Cul-
ture. Special prices and catalogue on
application.

Seed Merchants & Growers
Weeber & Don, 114 Chambers Street, NEW YORK

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.



Boxwood, Retinosporas, Yews, Pot Crown Lilacs, Bulbs, Roots, Etc.

W. J. Elliott, Auct.

Opening Sale at

AUCTION TUESDAY
M'ch 15th at Noon

Thirty Cases of Holland Crown Nursery Stock Consisting of Roses, Rhododendrons, Hydrangeas, Azaleas,

WM. ELLIOTT & SONS, Auctioneers

42 Vesey St., NEW YORK, N. Y.

THE BURPEE PREMIUMS.

The Burpee premiums consist of a cash prize of \$20 for the best collection of vegetables grown from Burpee's seeds and shown at state and county fairs. Also a cash prize of \$5.00 for vegetables or flowers under the same conditions. \$1.00 extra is added for a photograph of the exhibit winning the \$20 prize and for the best photograph in this connection there is a special \$10 offered. An extra prize of \$100 is offered for the exhibitor who wins the greatest number of prizes for the products of Burpee's seeds in 1910. The largest total, in amount of money, wins in this \$100 sweepstake.

The secretaries of all state or county fairs in the United States are authorized in the 40-page prize supplement, just issued, to offer these premiums in their schedules for the year 1910.

As there is no mention of horticultural societies (or other similar organizations) it is presumed that only state and county fair secretaries come under the provisions of the offer. There may be good reasons for this limiting, yet it seems to us it might be broadened; not only for the advancement of horticulture under the auspices of horticultural and floricultural associations—as distinct from county fairs; but for the benefit of the business of the generous donors.

We will be glad to hear from Mr. Burpee as to his reasons for excluding these associations—that is, if we are correct in assuming that he does so limit his offer.

The Burpee special for 1909 was won by Martin L. Bell, Sparkill, N. Y., with a total winning of \$1,400.20. This is the fifth time in succession that Mr. Bell has won the champion prize.

G. C. WATSON.

THE SEED TRADE DISCLAIMER.

Editor of HORTICULTURE:—

It is not to compete for the valuable prize you offer in your issue of Jan. 22 that I wish to reply to the article entitled, "A Clever Guarantee on Seeds." It is rather because a far-reaching decision has been rendered by a judge in Iowa upholding

the disclaimer now in common use, so recently.

Mr. Burpee's disclaimer does no more and no less than the official disclaimer adopted by the American Seed Trade Association, only it approaches the matter from the opposite side. Mr. Burpee's disclaimer tells what he will do; the official disclaimer tells what the seller will not do. Withal, Mr. Burpee will not do more than any other reputable seedsmen has done or will do, but his disclaimer states plainly just how much a purchaser may expect under certain conditions, without any quibbling and leaving nothing to the imagination and to that extent I believe the disclaimer is good and might well be added to the official disclaimer.

You will notice I use the word "added." My reason for doing so is because the use of the official disclaimer has been a custom for so long that it has been recognized as a law, invaluable in case of unjust lawsuits and safe now to use as the groundwork for defense.

For that reason, if for no other, I think the trade should adopt the official disclaimer, now that it is recognized in the courts, even if someone thinks he has a better one. It might be worded better, perhaps, but none other has been recognized in the courts and it is to that extent better than any other.

I therefore think that on the whole the Official Disclaimer is the best to use.

Yours truly,

C. E. KENDEL, Sec'y.
Amer. Seed Trade Asso.

OBITUARY.

Francis B. Dwight.

Reading, Pa.—Francis B. Dwight, a veteran seed dealer, died at his home, 1574 Mineral Spring Road, on the 82nd anniversary of his birth.

Percy Taylor.

Percy Taylor, well known to the trade and for many years a writer for horticultural and agricultural papers,

died of pneumonia at Elgin, Ill., Thursday, March 3. Mr. Taylor was born in Portsmouth, England, 59 years ago. The funeral took place Sunday, March 6. Mr. Taylor was an intimate friend of the late John Thorpe.

Maurice Butterfield.

Maurice Butterfield, 64 years old, widely known among nurserymen and horticulturists of the United States, died in Winona, Tex., Feb. 20, from Bright's disease. He conducted nurseries at Lee's Summit and Farmington, Mo. Mr. Butterfield was one of the leading benefactors and organizers of the Missouri State Horticultural Society, also the Jackson County Fair, which was held annually at Lee's Summit, Mo. He recently went to Texas in hopes of benefiting his health.

We have a SPECIALLY nice lot of

Young Carnation and Chrysanthemum Stock

Now ready; heavily-rooted, sturdy stock and liberal count. Try us once.

CARNATIONS

	R.C. per 100	2 1/2 in.
Enchantress.....	\$2.50	\$3.50
Rose Enchantress.....	2.50	3.50
Beacon.....	2.50	3.50
White Perfection.....	2.50	3.50
White Enchantress.....	2.50	3.50
Georgia.....	4.00	5.00
Welcome.....	3.00	4.00

CHRYSANTHEMUMS

A few stock plants of October Frost, C. Touset, Alice Roosevelt, Golden Glow, still left at \$3 per 100, \$25 per 1000.

The following in R. C. and 2 1/2 in. stock:

Alice Roosevelt, October Frost, Golden Glow, Rosiere, Monrovia, Minnie Bailey, Appleton, White Bonaffon, Alice Byron, Dr. Enguehard, Yanoma, Wanamaker, Hankey, and nearly all standards, \$2 per 100, \$15 per 1000 for R. C. \$2.50 per 100, \$20 per 1000 for 2 1/2 in. pots.
Virginia Pochlmann, \$3 per 100 R. C. \$4 for 2 1/2 inch Golden Eagle, Lynwood Hall, \$4 per 100 R. C. \$5 for 2 1/2 inch. Pres. Taft, Mrs. W. E. Kelley, \$10 per 100 R. C. \$12 for 2 1/2 inch.

I. M. RAYNER, GREENPORT, L. I., N. Y.

Dreer's Tuberous Rooted Begonias



Fancy Leaved Caladiums, Gloxinias and Tuberose.

The Begonias and Gloxinias which we offer are grown for us by an expert who has made a specialty of this class of plants for many years. You can secure cheaper but not better stock.

Begonias, Singles in separate colors, Scarlet, Crimson, White, Rose, Yellow and Orange, 40c per doz.; \$2.50 per 100; \$22.50 per 1000.

Begonias, Singles in choicest mixture, 35c per doz.; \$2.25 per 100; \$20 per 1000. Doubles in separate colors, Scarlet, Rose, White and Yellow, 60c per doz.; \$4.50 per 100; \$40.00 per 1000.

Begonias, Doubles in choicest mixture, 50c per doz.; \$4.00 per 100; \$35 per 1000.

Sun-Proof Begonia, Duke of Zeppelin, 85c per doz.; \$6.00 per 100.

La Fayette, \$1.25 per doz.; \$8.00 per 100.

Fripped Begonias, in separate colors, Scarlet, White, Pink and Yellow, \$1.00 per doz.; \$7.00 per 100; \$65 per 1000.

Gloxinias, in choice mixture, 60c per doz.; \$3.50 per 100; \$30 per 1000.

Fancy Leaved Caladiums, choicest standard Varieties, \$1.50 per doz.; \$10 per 100

choice new and rare varieties, \$2.00 per doz.; \$15 per 100
select new varieties, \$3.50 per doz.; \$25 per 100

Double Pearl Tuberose, selected bulbs, 4 to 6 inches in circumference, \$1.00 per 100; \$8.00 per 1000.

For a full list of seasonable Plants, Bulbs and Seeds, see our Quarterly Wholesale Price List, issued Jan. 1.

HENRY A. DREER, Inc., Philadelphia

THE ABOVE PRICES ARE INTENDED FOR THE TRADE ONLY

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA

June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

WHITE KILLARNEY, MY MARYLAND PINK KILLARNEY

Rooted Cuttings and 2½-inch plants. Booking orders now for future deliveries. The right Place—the right Goods—the right Prices. Come and see them grow.

	Rooted Cuttings		2½ inch	
	Per 100	1000	Per 100	1000
White Killarney	\$6.50	\$60.00	\$8.50	\$75.00
Pink Killarney	4.00	35.00	6.00	55.00
My Maryland	4.00	35.00	6.00	55.00
Richmond			5.50	50.00
Bride			5.00	45.00
American Beauties	4.00	35.00	7.00	65.00

3½-inch sizes will be offered when ready at 40% increase over 2½-inch. You cannot afford to buy poor stock at 50% less.

Chrysanthemum-rooted cuttings and 2½-in. stock later. Price lists will be sent on request.

POEHLMANN BROS. CO., Morton Grove, Illinois

DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

Catalogue Free

J. L. MOORE, Northboro, Mass.

GLADIOLI

Best values at reasonable prices. Quality and vitality our chief aim. Write for illustrated catalog.

ARTHUR COWEE, Specialist,
Meadowvale Farm, Berlin, N. Y.

TRADE NOTICE

APHINE

To meet the increasing demand for small packages among our selling agents, we have decided to produce Aphine hereafter in gallon, quart, pint and half pint cans.

Gallons, \$2.50

Quarts, \$1.00

Pints, 65c.

Half pints, 40c.

Jobbers discount will be furnished to florists supply houses on application.

Aphine Manufacturing Co.,
MADISON, N. J.

Ten points of excellence of the

New Seedling Begonia "GLORY of CINCINNATI"

1. It lasts longer in the dwelling than any other Begonia.
2. It is a most beautiful shade of soft, satiny pink.
3. The individual flowers are much larger than those of Gloire de Lorraine.
4. Easily propagated.
5. Easy of cultivation.
6. Strong, robust grower.
7. It can be grown in a 4-inch pot to look like a plant.
8. It flowers from October to April.
9. Not surpassed by any other Begonia.
10. The best plant for the Christmas Trade.

\$1.00 each, \$9.00 per dozen,
\$50.00 per 100. July Delivery

You cannot invest your money to better advantage.

J. A. PETERSON

McHenry Ave., Westwood,
CINCINNATI, O.

ROEHRS

RUTHERFORD, N. J.

PHOENIX and KENTIAS

SPEAKING

No doubt you are planning to make it this year the biggest
it by controlling an un-

Orchids and Other Flowers of the Choice
and then by spreading the news far and wide

Do You Want a McManus Easter

Write me now and I shall be glad to tell you what I can do for you so that you can advise your customers of your ability to supply an Easter stock of cut flowers which no competitor can match.



Cattleya

I am the largest dealer and shipper of Orchid Flowers in Trianae and Schroderae, also Gigas in a few days; De Giganteum; Phalaenopsis and Cypripediums in various ceps and, in lesser quantity, many other rare and beautiful character. Among my other specialties which can be seen are Denias, Daisies white and yellow, Wallflowers, Mignonette

Telephone
759 Madison Square

JAMES M

Wholesale Florist

OF EASTER

and best in your history. **So am I.** I shall accomplish
 lled supply of splendid
est Quality—the Cream of the Product
 d wide. Hence this advertisement.



gigas

You Can Have a McManus Easter

and, following it a prosperous trade
 for the whole spring season due to
 starting off right. You'll find that
 the best buyers will stick to you all
 through the season of weddings and
 gaiety which is the most profitable
 period of the year.

America. At the present time I can supply Cattleyas
 robiums Nobile in variety, Wardianum and Formosum
 species; Cymbidiums, Coelogynes, Oncidiums, Laelia An-
 things which help to make up an assortment of the richest
 plied in any quantity daily are Lily of the Valley, Gar-
 Asparagus and Choice Ferns.

McMANUS
 NEW YORK

42 W. 28th Street

BARGAINS IN ORCHIDS

Private collector wishes to dispose of his large collection of CATTLEYS VAR.: Labiatae, Trianae, Percivalianae, Schroderae, Mossiae, Gaskellianae, Warnerii and Bowringiana, all A1., new established stock, with from 2 to 6 leads.

PRICES: \$1.00 TO \$2.00 PER PLANT

Gerudt & Co., Room 1008 Union Bldg., Newark, N. J.

ORCHID PEAT—Osmunda Fibre

The best material for **Orchid Potting**. The grade which we offer is of the best material, well cleaned and sold in chunks or hand picked. **Leaf Mold, Rotted Peat and Baled Sphagnum** also in stock.

The C. W. BROWNELL COMPANY

WALDEN, N. Y.

During Recess

Tuxedo Horticultural Society.

The former members of the old Tuxedo Horticultural Society recognized the spirit actuating those new members who were instrumental in starting the society up again, by voting at a recent meeting to hold a social celebration, and it certainly was a celebration and a good one that came off on the evening of Wednesday, March 2, in the Village Club. The first installment was a bowling contest. Here the old stagers had the advantage of practice, but the others made up with enthusiasm what they otherwise lacked. When the exertions of bowling seemed to tell, the president led the way to the banqueting room, where the committee had in readiness an elaborate collation. Thomas Murray presided here as elsewhere and after the lighting of cigars remarks were made by the vice-president, James MacMachan; James Allen, David S. Miller, Fred. Bently, Albert Fischer, Joseph Tansey, Patrick Cassidy and David McIntosh. After this some more bowling brought a very enjoyable entertainment to a close. The committee consisted of G. O.

Bush, Fredk. Bently and Fred. Rake.
DAVID MCINTOSH, Sec'y.

CLUB AND SOCIETY NOTES.

The El Paso County Horticultural Society is agitating the proposition of a horticultural building with exhibition hall, library, etc., in Colorado Springs. We hope they will succeed.

Ed G. Bass, of Topeka, has issued a call for a meeting of the florists of Kansas to be held in Topeka, June 8. The purpose of the meeting is to organize the florists and all others who grow plants under glass in Kansas.

Mr. Jerome Jones of Boston has offered—and offer has been accepted—a prize of \$15.00 to be awarded by the Horticultural Society of Chicago for best twelve blooms of Chrysanthemum Mrs. Jerome Jones exhibited at the Chicago show of 1910.

The next meeting of the eastern branch of the American Association of Park Superintendents will be held at the Continental Hotel, Philadelphia, Pa., Saturday, March 26th, 1910. At the same time and place a meeting of the directors of the National Association will be held.

The next regular monthly meeting of the Cincinnati Florists' Society will be held Monday, March 14th, 5 P. M., at the Jabez Elliott Flower market.

After the meeting the members will go to Wielert's where they will have bowling, lunch and refreshments at the expense of the Society. A. O.

The preliminary schedule of the fifteenth annual show of the Morris County Gardeners' and Florists' Society, comprising \$2,500 in prizes, including a \$150 sweepstake cup, has been mailed. Those who have not received a copy of it may obtain same by applying to the Secretary of the Morris County Gardeners' and Florists' Society, Edward Reagan, Box 334, Morristown, N. J.

At the monthly meeting of the Dutchess County Horticultural Society held at the rooms of the Poughkeepsie Club, Poughkeepsie, N. Y., several important changes were made in the by-laws of the association, and Assemblyman Upton's bill on commission merchants of the state was indorsed. The paper for the afternoon was read by James Bell, of Garrisons, on the subject of the "Cyclamen."

Murphysboro, Ill.—The Wisley greenhouses at Oak and 16th Sts. were damaged recently by the weight of snow upon the glass. About 70 feet of glass was broken and the frame twisted the entire length of the house. Loss is estimated from \$1200 to \$1500; repairs will begin at once.

ORCHIDS

ESTABLISHED—Finest and largest stock in the country.
IMPORTED—Coming—All commercial Cattleyas, Oncidiums,
 Dendrobiums, etc.

Palms in all sizes, Stove Plants, Bay Trees, Box Trees,
 Evergreens in Variety

Begonia Lorraine and Agatha

Leaf Cuttings, June Delivery

Julius Roehrs Co. Exotic Nurseries

RUTHERFORD, N. J.

STRATTON'S GREENHOUSE,

C. D. Stratton, Prop.

Lancaster, Wis., Feb. 28, 1910.

Aphine Mfg. Co., Madison, N. J.

Gentlemen:—

The "Aphine" purchased through your agents, of Chicago, is certainly O. K. I have had universal success with it both as a spray and as a dip. Have dipped plants in full bloom, such as primulas, cinnararas, roses, etc., with no apparent ill effects on the plants or blooms, but with death to the bugs.

Would like to ask if you would consider it safe to use on edible vegetables such as cabbage, cauliflower, lettuce, etc.?

There ought to be a large sale of "Aphine" when the people become acquainted with it and can be sure of obtaining the results claimed. Yours very truly,

C. D. STRATTON.

See Pages 401 and 424 for other Aphine endorsement.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**Sander, St. Albans, England
 and 235 Broadway, Room 1
 NEW YORK CITY**

STUART LOW & CO., late of Hugh Low & Co. dissolved, are now receiving large importations of **BURMESE DENDROBIUMS**, such as **Wardianum**, **Crassinode**, **Fimbriatum**, **Devonianum**, **Noble Brymerianum**, **Thyrsiflorum**, etc., and will give excellent value.

Also hold very large stock of **WARDIANUMS**, **CRASSINODES**, etc., to flower **THIS SPRING**.

Also **LAELIO-CATTLEYAS**, **BRASSO-CATTLEYAS**, **ODONTOGLOSSUMS** in spike, all for Spring and early Summer flowering.

Catalogue on Application

Royal Nurseries, Bush Hill Park, Enfield, England

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN,
 Mamaroneck, New York.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
 and Madison, N. J.

DECORATION DAY ROSES

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Winter become better established and force better, and are more satisfactory in every way, and you can retard or force them at your leisure.

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flower is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c. for 5, \$16.00 per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. 85c. for 5, \$15.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c. for 5, \$15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. 85c. for 5, \$15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard.) The popularity of the Baby Rambler has suggested the growing of it as a tree or standard... 40c. each, \$3.75 for 10, \$35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c. each, \$6.25 for 10, \$60.00 per 100.

Something New in Roses for Florists

Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60c. each, \$6.00 per doz., \$45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c. each, \$4.50 per doz., \$35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c. each, \$4.50 per doz., \$35.00 per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c. each, \$5.00 per doz., \$40.00 per 100.

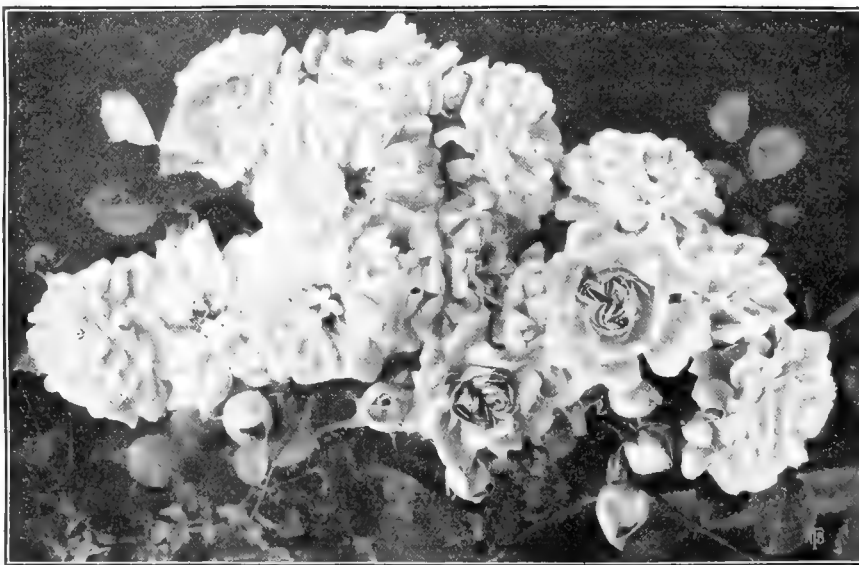
Hardy Hybrid Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name: Price, 75c. for 5 (of one variety), \$12.00 per 100, \$110.00 per 1,000 (immediate delivery).

Abel Carriere. Crimson. **Alfred Colomb.** Carmine-crimson. **Anne de Diesbach.** Bright carmine. **Ball of Snow** (Boule de Neige). Pure white. **Baron de Bonstetten.** Blackish crimson. **Baroness Rothschild.** Satin pink. **Capt. Christy.** Flesh color. **Clio.** Satin blush. **Duke of Connaught.** Rosy crimson. **Duke of Edinburgh.** Bright vermillion. **Eugene Verdier.** Crimson-violet. **Fisher Holmes.** Dark crimson. **Frau Karl Druschki.** The finest white. **Gloire de Margottin.** Dazzling red. **Gen. Jacqueminot.** Brilliant crimson. **John Hopper.** Bright rose. **La France.** Pink. **Mme. Charles Wood.** Bright carmine. **Margaret Dickson.** White, with pale flesh. **Marshall P. Wilder.** Cherry-rose. **Magna Charta.** Dark pink. **Mme. Gabriel Luizet.** Satiny pink. **Mrs. John Laing.** Satiny pink. **Paul Neyron.** Dark pink. **Perle des Blancches.** White. **Persian Yellow.** Yellow. **Princesse Camille de Rohan.** Dark crimson. **Ulrich Brunner.** Cherry-red.

For prices see above.

Ramblers and Other Climbing Roses



TAUSENDSCHON

Flower of Fairfield The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c. each, \$3.50 for 10, \$30.00 per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel-blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens contrasting with the blue flower, give the whole a striking appearance. 60c. each, \$5.75 for 10, \$55.00 per 100.

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field-grown. 85c. for 5, \$15.00 per 100.

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, \$1.25 for 10, \$12.00 per 100; 4 to 5 feet, \$1.75 for 10, \$15.00 per 100; 5 to 6 feet, extra heavy, \$2.25 for 10, \$20.00 per 100.

DOROTHY PERKINS. Lovely shell-pink color. \$1.25 for 10, \$12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$2.25 for 10, \$20.00 per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, 4 to 5 feet. \$1.75 for 10, \$15.00 per 100.

ARTHUR T. BODDINGTON, Seedsman 342 W. 14th Street
NEW YORK

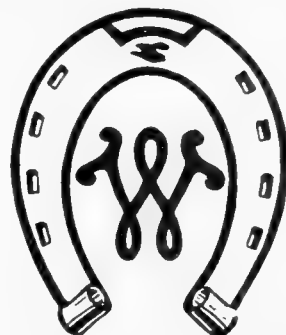
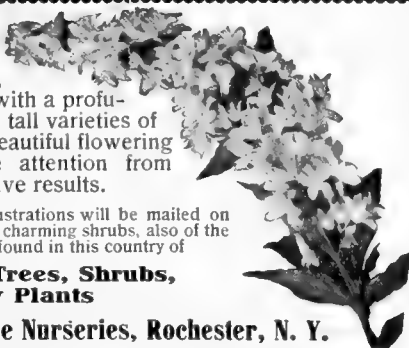
Deutzia Lemoinei

Is one of the choicest small shrubs, covered in the blossoming season with a profusion of pure white flowers. The tall varieties of Deutzia are also among the most beautiful flowering shrubs and should receive more attention from planters who aim to produce effective results.

A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

**Fruit and Ornamental Trees, Shrubs,
Roses and Hardy Plants**

ELLWANGER & BARRY, Mount Hope Nurseries, Rochester, N. Y.



"NOT HOW CHEAP—
BUT HOW GOOD"

SEASON 1910

SEASON 1910

OPENING SALE AT AUCTION

Tuesday, March 15th, 1910, at 10.30 A.M.

A superb collection of **Roses, Rhododendrons, Hardy Azaleas, Pot Grown Lilacs, Berberis, Viburnum, etc., Evergreens, including Picea Pungens (The Blue Spruce), Picea Excelsa Aurea, Picea Orientalis, Aucuba Japonica, Larix Leptolepis, etc., etc.**

Direct from a leading Grower in Boskoop, Holland.

A Special Shipment of an Exceptional Assortment of English Grown Roses

In all the finest, newest and best varieties. Direct from a Celebrated Nursery in England, long famed for the excellence of its introductions.

Detailed catalogue of every sale mailed on request.

THE FRUIT AUCTION COMPANY

200-204 Franklin St., New York, cor. Washington St.

Tel. 1512 Franklin Horticultural Department, J. P. Cleary, Mgr.

NOTE.—We will offer a complete list of Flowering Plants of every variety from prominent growers every day during the week preceding Easter. Correspondence invited.

ARTIFICIAL WARMING OF FRUIT PLANTATIONS AGAINST FROST.

The protection of fruit trees against frost during the flowering period, according to American methods, has been put to the test with successful results in England and on the continent of Europe. We read in American journals of vineyards of enormous areas, and crops having an estimated value of \$3,000,000 in the Grand Valley, Colorado, being saved by smother fires: the number of the braziers being on a average, 80 per acre.

This method will very probably be adopted in European vineyards and orchards before long, in those parts where damage from frost occasionally occurs. Something of the kind is commonly practiced during the danger period; that is, in central Europe, the 12th, 13th and 14th of May, when smother fires are ignited on the wind-

ward side of vineyards and orchards, and in the wide spaces between the line of vines or trees, by which rough and ready means the air among the trees, etc., is warmed by several degrees and the threatened danger averted. **FREDERICK MOORE.**

London England.

NEWS NOTES.

Ovid, Mich.—The business formerly operated as Hoag Bros. Greenhouse is now owned by James M. Hoag.

Grand Rapids, Mich.—It is stated that the Grand Rapids Greenhouse Company is to abandon the forcing of lettuce, etc., and devote their houses to flower growing exclusively.

Lake City, Minn.—One hundred acres of land adjoining the present grounds has just been purchased by the Jewel Nursery Co. and will be used for growing nursery stock.

Horseshoe Brand Products

In Giganteum indicates the acme of quality. Large growers know they produce the largest percentage of cut flowers per thousand bulbs of any brand. The reason why is because they are produced by the choicest seed-bulbs in the world; are properly planted and cultivated. The actual profits indicated by your cash register when the final show-down time comes are greater from Horseshoe Brand Giganteum than from any other brand receiving the same treatment in forcing. Don't take our word for it, try them, count the cut.

Write Us.

RALPH M. WARD & CO.

12 West Broadway, - - - New York

M. LEMOINE'S NOVELTIES.

One reads with interest notes of French gardening, as these are usually very instructive and frequently embody the results of extensive and long-continued experiments in the cultivation and propagation of plants. The raising and hybridizing of such as have been employed in gardens for many years. One of these veterans is M. Lemoine of Nancy, France, whose plant collection was visited by a correspondent of the "Gartenwelt" in search of novelties; and what he saw therein is made public in the issue of that journal for December 4 last. He found the begonias in full flower. These are the pride of Nancy gardens. The variety Lafayette is one of the best for bedding, but it does badly in northern Germany—the summers there being so changeable. Better in color and form is Washington, of Lemoine's raising, and when it is found unsuitable for bedding it is excellent for pot culture, and may be warmly recommended. The large, well formed flowers stand erect, on stalks bearing five or six. This variety grows stronger and more willingly than Lafayette, and is more easily propagated. Lemoine puts all his begonia corms in a great shade-hall, where they are simply planted in the soil to which horn shavings are added and dug under.

Among the varieties of begonias for the open ground, there appeared a seedling that has received the name Nuage Rose (Rosy Cloud). It blooms as if possessed; the blooms are small, standing in light bunches, and when open they show a rosy-white color; and the plant appears to have no period of rest, so that by winter propagation the flowers must be removed, so as to make it possible for growth to be made. Nuage Rose is very probably of B. Socotrana blood. A fellow variety is Bouquet Blanc, which in flowering does not quite equal the first named variety. A red-leaved B. Lubeca is one of Lemoine's best plants of the year's raising; and beautiful was Feu de Bengal (Bengal Fire); only the middle of the leaf retains its natural moss-green color, whilst the margin of the leaf has the color of the purple beech leaf.

As a hint to gardeners looking about for something not commonly cultivated, I may name the varieties of Ceanothus, which M. Lemoine has perfected in regard to new ones of his own raising—stood in full bloom. The following are excellent, viz., Croix du Sud, a dark blue flower and a very free bloomer; Indigo, also dark blue; Gloire de Plantieres, Arnoldii, Gloire de Versailles, Marie Simon, rigidus and Veitchianus, most of which require a south or southwest aspect excepting in warm districts; and they are all good for late forcing purposes. They are worthy of a trial as pot plants.

About Polygonum Baldschuanicum we have heard much of late in the gardening press, and the verdicts have varied considerably. There are two varieties of this plant; one is a sparse flowerer, and the other very free, and both are gigantic climbers. M. Lemoine has experimented for years with the former, but he has now taken to the latter. Experiments of propagation by cuttings of the young wood have turned out comparative failures; and at last he has succeeded in raising

PREPARE FOR EASTER

Headquarters for Easter Plants

WELL CROWN, RIGHT FOR EASTER

AZALEA INDICA, one of our specialties.

In large sizes we have, all covered with buds, the following: **Bernard Andrea**, Alba (white), **Niobe** (double white), **Dr. Moore** (pink), **Memory de Van Houtte** (large flowering pink), **Mme. Van der Cruyssen** (light pink), **Empress of India** (double variegated), **Hellena Tellman** (light pink), **De Schreveriana** (double variegated), **Apollo** (red). Price: \$1.50, \$1.75, \$2.00, \$2.50 to \$3.00 each.

In smaller sizes we have a big house full of the well-known **Mme. Van der Cruyssen** (the best of all the pink), all as round as an apple and covered with buds. Price: 60c., 75c., \$1.00, \$1.25, \$1.50, \$2.00 and \$2.50.

SIMON MARDNER (double pink), **Ver-vaeneana** (double variegated), **Niobe** (double white). Price: \$1.00, \$1.25, \$1.50. **DEUTSCHE PERLE** (white), **Apollo** (red), **Empress of India** (double variegated), **De Schreveriana**. Price: 60c., 75c., \$1.00, \$1.25.

CINERARIA Hybrida Grandiflora, best strains, very fine colors. 6-inch pots, 25c., 35c., 50c., 75c. to \$1.00.

SPIREA Gladstone, full of buds, 6-7-in. pots, 50c., 75c. to \$1.00.

PRIMULA Obconica, 5-in. pots, \$2.50 per dozen.

TOUKESOL TULIPS, best double variegated, 3 bulbs planted in a 4-in. pot, \$1.50 to \$1.75 per dozen pots. **Murillo Tulips**, best double pink, 3 bulbs in a 4-in. pot, \$2.00 per dozen pots.

HYACINTHS. Raised from the best bulbs of Holland production; **King of the Blues**, **Grand Maitre** (light blue), **Gertrude** (best pink), **La Grandesse** (best white). Price: \$12.00 per 100 pots.

Von Sion DAFFODILS (best double Narcissus known), 3 double-nosed bulbs planted in a 6-in. pot. Price: \$2.50 to \$3.00 per dozen pots.

HYDRANGEA Otaksa, 6-7 in. pots, 35c., 50c., 75c., \$1.00, \$1.25 to \$1.50.

FERNS for dishes, 2½-in. pots, strong \$5.00 per 100.

KENTIA Forsteriana. Imported last spring (1909) from Ghent, Belgium, in fine condition, 6-7-in. pots, 35-40-50 inches high, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00; 4-in., 20c. **Belmoreana**, 6-in., \$1.25 to \$1.50 each; 4-in., 25c.; 3-in., 10c.

EASTER LILIES. **Multiiflorum**, 10c. per bud, about five buds to the plant; under five buds, 12c.

A reasonable amount of other plants must be taken in connection with lilies. **Japanese Multiflorum**, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot, free from disease, we have had for years past. The large demand for Lilies exceeds the supply every year; we, therefore, ask that you order early. Price, plants with five buds and upwards, 10c. per bud; plants with under five buds, 12c. per bud. We can satisfy all wants if ordered soon.

Cash With Order

GODFREY ASCHMANN

Wholesale Grower and Importer of POT PLANTS

1012 W. ONTARIO ST., PHILADELPHIA, PA.

plants in abundance, by artificial impregnation of the blooms, after having tried to propagate by means of cuttings of mature shoots.

A natural wonder was pointed out to the visitor, plants of Hydrangea Souvenir de Claire, which is grown in immense quantity in France, and at Nancy has a pleasing blue color; and in soil that has never been afforded iron in any form. That pretty plant, Gypsophila paniculata flore pleno, is considered by Lemoine as being the best herbaceous perennial of the day, and it is surprising that its culture is not more general. This may be due to the fact that the first plants were grafted high on the stocks, and therefore could not be divided, as at that time M. Lemoine was propagating from soft wood cuttings.

Baltimore, Md.—Through the State Board of Education, in response to the vote of 200,000 school children, "Black-eyed Susan" (Rudbeckia hirta) has been ratified as the State flower of Maryland. The flower fits in and well matches the colors of the State's coat of arms—black and orange.

The florist's exchange of this city has become a prominent factor of value to our florists. During February of 1910 there was a 25 per cent increase in business over February, 1909. The manager declares the floral products also show much greater general excellence.

CORNELL NOTES.

Prof. John Craig has announced the following speakers for Farmers' Week:

Monday, "Commercial Floriculture," F. R. Pierson, president American Florists' Association, Tarrytown, N. Y. Tuesday, "Special Flower Crops and the Outlook for Their Culture," Prof. John F. Cowell, director Buffalo Botanic Garden, Buffalo, N. Y. Wednesday, "Experience in Reclaiming Muck Lands for Trucking Purposes," W. W. Ware, practical grower, Batavia, N. Y., member of executive committee of New York State grange. Thursday, "Trucking on Muck Lands With Special Reference to Celery, Onions and Lettuce," Henry Greffrath, practical grower, South Lima, N. Y. Friday, "Experience and Observation in Market Gardening," T. Greiner, author, journalist, La Salle, N. Y. Tuesday, Demonstration, "Handling and Transplanting Vegetable Seedlings," George M. Cosh, gardener, Department of Horticulture. Wednesday, Demonstration, "Handling Cuttings, Potting and Shifting," Miss Landmann, student in Department of Horticulture. Friday, Demonstration, "Preparation and Planting of Window Boxes and Baskets," C. E. Hunn, foreman of grounds and school gardens.

The lectures will be given at noon, and the demonstrations at 3 o'clock. The place of the lectures will be announced later.

CULTURE OF THE CYCLAMEN.

Abstract of a paper read before the Tarrytown Horticultural Society by James Stuart.

Mr. Stuart said that the best time for sowing was middle of August and advised the procuring of new seed as his experience was that they germinate much quicker and stronger than old seed. As sowing compost he used a mixture of loam, leaf-mould and sand with enough finely broken charcoal to insure openness and freedom of drainage. Flats are used in preference to pans and the seeds sown in shallow drills in place of broadcast, so that the surface of the soil can be worked over occasionally to prevent moss or scum from gathering. The seeds are covered only lightly with soil and the boxes closely covered with glass to prevent evaporation. A temperature of 60 degrees is maintained with plenty of atmospheric moisture. When the seedlings are up plenty of light is allowed, but shade always provided against strong sunshine. When the second or third leaf appears the seedlings are pricked over into flats again, in preference to pots, where they remain until large enough to be potted into three or three-and-one-half-inch pots. For Christmas flowering they are moved up when ready into five or six-inch pots, but when intended for spring flowering they are given another shift, seven-inch pots being used. In summer they are kept in the coolest possible house and when fall comes a temperature of not less than 55 degrees is maintained until such time as the flowers begin to show. Then the temperature is lowered to from 45 to 50 degrees at night and when in full flower air is freely given, a little being allowed at night to insure a dry atmosphere and prevent damping. In the general potting compost a liberal supply of well-rooted manure is added to that formerly advised and potting done moderately firm. Cleanliness both in the house and benches he strongly advises. Also every precaution to prevent insect enemies from getting a hold on the plants. A solution of soft soap and kerosene he considers the best insecticide, this being used freely as a spray both on the plants and benches as a preventive against the cyclamen mite.

In growing plants over the second year, he preferred to keep them growing along steadily in place of drying off as some do and retaining as much of the old foliage as possible, but keeping all decayed flowers and leaves closely picked off.

In conclusion Mr. Stuart said that to be a successful cyclamen grower, one had to have a special interest in the plants, to pay strict attention to details and be on the job all the time.

Stillwater, Okla.—The greenhouse which is to be built at the Oklahoma Agricultural College will be 56 x 85 feet, consisting of three 18 foot houses, with even span and concrete foundations. Attached to this will be a potting shed 12 x 40 feet. The construction will be of wood throughout supported by iron pipes under the gutters. It will be heated by steam, connected with the central heating plant of the institution. The entire structure will cost less than \$5,000.

EASTER PLANTS

AZALEAS, 5½ to 8-in. pots, from 75c. to \$5.00 each, larger plants from \$6.00 to \$10.00 each, Pyramids \$4.00.
LILACS, White and Blue, 8 and 9-in. pots, \$1.50, \$2.00, \$2.50 and \$3.00 each.
SPIRAEA, Gladstoni, White, \$6.00, \$9.00 and \$12.00 a doz.
 Queen Alexandra, Pink, 75c., \$1.00 and \$1.25 each.
HYACINTHS, Single, pots \$2.00 per doz. Only extra selected bulbs grown.
 Miniature, 6, 7 and 8-in. pans, 35c., 50c., 75c. and \$1.00 a pan.
TRUMPET NARCISSUS, 35c., 50c., 75c. and \$1.00 a pan.
LILY OF THE VALLEY, in 5-in. pots, 35c. each; 6-in. pans, 50c. each; 7-in. pans, 75c. each, and 8-in. pans, \$1.00 each.

LILIES, \$12.00 per 100 buds, \$120.00 per 1000, \$550.00 per 5000.

DWARF ROSES, Baby Dorothy, Baby Ramblers, \$6.00, \$9.00 and \$12.00 a doz.

ROSE, Mme. Cutbush, Enchantress pink, large plants, 6½ and 7-in. pots, \$12.00, \$15.00 and \$18.00 a doz.

Large showy plants of Dorothy Perkins, shell pink, 6½ to 9-in. pots, \$1.50 to \$7.00 each.

Star-Flowered Rambler, single, large trusses, outside petals light pink, centre white, 6½-in. pots, \$1.50 and \$2.00 each; large plants in 7 to 9-in. pots, \$3.00 to \$7.00 each.

Everblooming Crimson Rambler (Flower of Fairfield). Brilliant red color, 6½, 7, 8 and 9-in. pots, \$2.00 to \$2.50 each.

All the foregoing Roses are timed for Easter and are perfectly budded.

With shipping orders, please add to the amount of bill 75c. for each ten dollars worth of goods, to cover the expense of cases and packing.

For other varieties of foliage and Easter plants, write for price lists.

ANTON SCHULTHEIS
 316 19th Street, COLLEGE POINT, L. I., N. Y.

DEPARTMENT OF PARKS, City of New York, Boroughs of Brooklyn and Queens

Borough of Brooklyn, March 7, 1910.

To the Aphine Manufacturing Co.,
 Madison, New Jersey.

Dear Sirs:—

Having received your sample of Aphine, I at once made a test for mealy bug on coleus and crotons and the effect was marvelous, the mealy bug dried up without any damage to the plants. Have since purchased four gallons of Aphine and used the same according to directions, with spray, on green and white fly also scale on palms, with the same success. I am more than pleased at the results of your insecticide, and will continue its use, as it is safe, sure and reliable, and can honestly recommend it to all my brother craftsmen;

Very Respectfully Yours,

EDWARD J. WALTERS,

Head Gardener, Forest Park Greenhouse and Nursery

See Pages 397-424 for Other Aphine Endorsements.

EASTER PLANTS

LILIES, AZALEAS, HYDRANGEAS, RAMBLERS, LILACS, SPIRAEAS, HYBRID ROSES, GERANIUMS, GENISTAS, BULB STUFF, ACACIAS, BOTTLE-BRUSH.

SHRUBS AND BEDDING PLANTS

CHRYSANTHEMUM CUTTINGS READY. ALL BEST VARIETIES

COME AND SEE US

WM. W. EDGAR CO.

Waverley, Mass.

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RED Cut Flowers can be sold Christmas week, 1910. My **20th** Century red Christmas Novelty will supply the increasing demand for red flowers at this red flower season. My practical knowledge will put 500% profit in your pocket at a nominal cost to you. It beats the Poinsettia 100 ways. I am the originator of new good things for florists.

Write today and inclose 10c in stamps for reply.

L. I. NEFF, Florist,

BELLEVUE, PENNA.

PUBLICATIONS RECEIVED.

Landscape Art, by Wencel L. Cukerski, Grand Rapids, Mich.—This little 32-page booklet will no doubt find many interested readers and it will do much to improve the popular knowledge of lawn-planting, laying out and arrangement of grounds, planting and caring for trees, shrubs, herbaceous perennials and bedding plants. The illustrations are exceedingly well selected.

Fungous Diseases of Plants.—By Benjamin Minge Duggar, Professor of Plant Physiology in Cornell University. Here is unquestionably one of the most needed books for the use of the horticulturist. Although much work has been done and much valuable information disseminated by the agricultural experiment stations in recent years regarding destructive parasitic fungi, yet much of it has come in so disconnected a form that it has not been of convenient and practical availability to the man most in need of it. Previous to the work now before us, we do not think there has been any publication presenting in systematic and comprehensive form the results of investigation in this great field. Now at last we have what has been so much needed, a book of over 500 pages, illustrated, and fully indexed from three different standpoints, viz.: The contents consecutively arranged; a ready reference index of fungous diseases with the names of plants affected in alphabetical order; and a general index. As a text book for scientific study the work will undoubtedly be gratefully received by the student and special investigator, but what we wish to emphasize particularly is its usefulness to the every-day horticulturist, who will find in its pages the answer to many questions that come up from day to day respecting those obscure and pestilent diseases which so often rob him of the fruits of his industry and have done so much to baffle his best efforts. In part 3, which the plant grower will find especially useful, each disease is discussed with reference to its occurrence, its life history is briefly given, and practical advice for the intelligent application of prophylactic and control measures. Professor Duggar has placed the horticultural industry of our continent under no small obligation to him by the painstaking service he has thus rendered. The price of the book is \$2.00. Copies can be supplied from this office.

MOVEMENTS OF GARDENERS.

James Caldwell has been appointed gardener at the City Infirmary, Cincinnati, Ohio.

San Francisco, Calif.—A. Charles McNaughton has taken a position with Arthur W. Foster of San Rafael, Calif.

Patrick W. Burke, formerly in South Lancaster, Mass., is now on the Mrs. Arthur W. Blake place at Brookline, Mass.

San Francisco, Calif.—Robert Ford is now employed at the Home of Peace Cemetery. He was formerly gardener to Henry T. Scott.

EASTER PLANTS

	Each
RAMBLER ROSES in Six Varieties, .	50c to \$7.50
ACACIAS	75c to 5.00
BOUGAINVILLEAS	75c to 4.00
HYDRANGEAS, white and pink	50c to 5.00
GENISTAS	50c to 4.00
AZALEAS	50c to 5.00
MARGUERITES	50c to 1.25
HEATHS	50c to 1.00

etc., etc., etc.

LILIES, 12 1-2c per bud and flower.

LORRAINE BEGONIAS

Young leaf stock, ready for delivery from May 25 on.

\$15.00 per 100. \$145.00 per 1000.

Come and see for yourself. Visitors always welcome. Only 40 minutes from North Station, Boston.

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Nahant, Mass.

AZALEAS

We offer a fine lot of Azaleas, shapely specimens, well "headed," double and single flowered, which should make splendid plants for Easter sales.

We offer the following well known and popular sorts:

Mme. Van der Cruyssen, Niobe, Deutsche Perle, Mme. C. Van Langenhove, Vervaeana, Empress of India, Helen Thielman, and Simon Mardner.

	Per doz.	Per 100
10 to 12 inch heads	\$6.00	\$45.00
12 to 14 " "	7.00	55.00
14 to 15 " "	10.00	75.00

6 sold at dozen rates; 25 at 100 rates

PETER HENDERSON & CO.

35 and 37 Cortlandt St.

NEW YORK

PRICE LIST—EASTER 1910

COME AND SEE OUR STOCK

Any Buyer seeking quality will be well repaid by inspecting our large stock of Crimson and Pink Ramblers, Hydrangeas, Lilies, Azaleas, Rhododendrons, Spiraeas, etc.

The early Easter will make absolutely no difference to us

Our stock is excellent and timed just right for Easter. Send us your orders at once to insure satisfaction.

LILIES—Our stock is exceptionally good this year.
Plants from 4 to 8 blooms.....12 cents per bloom
Made-up pans from 12 to 20 blooms.....12 cents per bloom
Plants with less than 4 blooms.....15 cents per bloom

AZALEAS
We have the largest and finest stock of Azaleas we have ever had, including Van der Cruyssen, Vervaeana, Emp. of India, Emp. of Brazil, Niobe, Bernard Andre Alba, Prof. Wolters, etc., 75c., \$1.00, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00, \$6.00, \$7.50 and \$10.00 each.

Pyramid Azaleas, very fine.....\$3.00, \$3.50 and \$4.00 each
Azalea Mollis, Anthony Koster, the best yellow,

\$15.00 and \$18.00 per dozen
Azalea Mollis Ass't, very large plants...\$2.50, \$3.00 and \$3.50 each
Small Azaleas for Basket Work...\$4.00 per dozen; \$30.00 per 100

CRIMSON RAMBLER ROSES
These plants are unusually fine and will be just right for Easter.
6-inch and 7-inch pots.....\$1.00, \$1.25 and \$1.50 each
8-inch pots.....\$2.00 and \$2.50 each
Plants trained in fan and globular shapes, extra fine,

\$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00 and \$6.00 each
PINK RAMBLER ROSES
Lady Gay and Dorothy Perkins. In great condition, trained into fan, globular and pyramidal shapes, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00 and \$6.00 each.

Special Ball Shapes.....\$1.50, \$2.00, \$2.50, \$3.00 and \$3.50 each
Special Wire Fan Shapes.....\$3.00 and \$3.50 each
Standard Lady Gay, Umbrella Shape.....\$3.50 each

We want to call your attention to this Special Standard Lady Gay Umbrella, which we have in exceptionally fine condition. This, we believe, cannot be duplicated anywhere.

TAUSENDSCHON (New)—"Thousand Beauties."
This was our finest Climber last Easter and this year the plants are still better. We cannot recommend the Tausendschon Rambler too highly.

Strong plants in 6-in. and 7-in. pots...\$1.00, \$1.25 and \$1.50 each
Trained Plants, Fan, Globular and Pyramidal shapes,

\$2.00, \$2.50, \$3.00, \$3.50, \$4.00 and \$5.00 each
BABY RAMBLER STANDARDS
Exceptionally fine plants, 3 to 5-foot stems,

\$1.00, \$1.25, \$1.50, \$2.00 and \$2.50 each
WHITE BABY RAMBLER STANDARDS
\$1.00, \$1.25 and \$1.50 each.

STANDARD DOUBLE-BUDDED WHITE AND RED BABY RAMBLER ON SAME PLANT—\$1.50 each.

BABY RAMBLERS
Good strong stock, well flowered...\$3.00, \$6.00 and \$9.00 per doz.

HLAWATHA—The best of its color.
6-inch and 7-inch pots, trained in globular and fan shapes,

\$1.25, \$1.50, \$2.00, \$2.50 and \$3.00 each
MRS. CUTBUSH (New)—Pink Baby Rambler.
This is a good one, in 6-inch pots...\$6.00 and \$9.00 per doz.

BABY DOROTHY (New)
Pink Baby Rambler, very similar to Mrs. Cutbush.
4-inch and 4½-inch pots.....\$4.00 per doz.
5-inch pots.....6.00 per doz.
6-inch pots.....9.00 per doz.

HYBRID ROSES.
We have an unusually large stock of Hybrids which will be just right for Easter; all the best varieties, including Richmond, Kaiserin, Mrs. Kershaw, Killarney, etc., \$6.00 and \$9.00 per dozen.

Magna Charta, very fine...\$9.00, \$12.00, \$15.00 and \$18.00 per doz.
\$6.00, \$9.00 and \$12.00 per dozen.

HYDRANGEAS
Large plants.....\$1.50, \$2.00 and \$2.50 each
Hydrangea Otaska, Standard (New)...2.00, 2.50 and 3.00 each

RHODODENDRONS
Shapely, well-budded plants, including all the best varieties,
\$1.50, \$2.00, \$2.50, \$3.00, \$3.50 and \$4.00 each
A few larger plants in tubs, very handsome...5.00 and 6.00 each

RHODODENDRON PINK PEARL (New)
The most beautiful of all the Rhododendrons,
\$2.50, \$3.00, \$3.50 and \$4.00 each

LILY OF THE VALLEY
5-inch pots.....\$6.00 per doz. 6-inch pots.....\$9.00 per doz.

BOUGAINVILLEA GLABRA SANDERIANA
Magnificent plants, exceptionally well flowered,
\$3.50, \$4.00, \$5.00, \$6.00, \$7.50 and \$10.00 each

GENISTAS

A grand stock, grown cool and just right for Easter.
\$2.00, \$3.00, \$4.00, \$5.00, \$6.00, \$9.00, \$12.00 and \$15.00 per doz.

SPIRAEA GLADSTONE

Our stock is in superb condition.

6-inch pots.....\$0.50 each
7-inch pots......75 each
8-inch pots, made up.....1.00 each
9 and 10-inch tubs, made up.....\$1.50 and 2.00 each

PINK SPIRAEA

Queen Alexandra, very beautiful.

6-inch pots.....\$9.00 per doz.

DOUBLE DAISY, Queen Alexandra.

Well grown and well flowered.

4-inch pots.....\$2.50 per doz.
5-inch pots.....4.00 per doz.
6-inch pots, very fine.....\$6.00 and 9.00 per doz.

MARGUERITES

Very well flowered, 6-inch pots.....\$4.00 per doz.

ORANGES

5-in. and 6-in. pots, 4 to 8 fruits....\$0.50, \$0.75, \$1.00 and \$1.50 each

NEPHROLEPIS SCOTTII

6-inch pots.....\$6.00 and \$9.00 per doz.
8-inch pans.....\$12.00 per doz.
10-inch pans.....\$1.50 and \$2.00 each

NEPHROLEPIS TODEAOIDES

The London Fern.

We have a large stock for growing on, in 2-inch pots,
\$5.00 per 100, \$45.00 per 1000
6-in. pots...\$6.00 and \$9.00 per doz. 11-in. tubs.....\$2.50 each

NEPHROLEPIS AMERPOHLII

The Philadelphia Lace Fern.

5-inch and 6-inch pots.....\$6.00 and \$9.00 per doz.

NEPHROLEPIS WHITMANI

9-inch pots.....\$2.00 each

NEPHROLEPIS SCHOLZELI Ready Now

2¼-inch pots.....\$8.00 per 100, \$75.00 per 1000

ASPARAGUS PLUMOSUS

2-inch pots.....\$4.00 per 100

ARECA LUTESCENS

Exceptionally fine stock.

5-inch pots.....\$7.50 and \$9.00 per doz.

DRACAENA MASSANGIANA

Perfect plants, 6-inch pots.....\$18.00 and \$24.00 per doz.

DRACAENA FRAGRANS

6-inch pots.....\$6.00 and \$9.00 per doz.

CROTONS

We have the largest stock of Crotons in America. Well colored plants.

4-inch pots.....\$25.00 per 100
5-inch pots.....50.00 per 100
6-inch pots.....75.00 per 100
Large plants.....\$1.00, \$1.25, \$1.50 and \$2.00 each
Made-up plants.....\$2.50 to \$10.00 each

PANDANUS VEITCHII

Well colored.

4-inch pots.....\$5.00 per doz., \$40.00 per 100

ENGLISH HAWTHORN

8-inch pots, 3½ to 4 feet tall.....\$2.00 each

STANDARD PRUNUS (Plum)

Very handsome plants.....\$2.00 each

WISTARIA (Blue)

\$1.50 and \$2.00 each.

FLOWERING APPLES AND ALMONDS.

\$1.50 each.

FICUS PANDURATA

6-inch pots, 24 to 36 feet high.....\$2.00, \$2.50 and \$3.00 each
Larger plants.....3.50, 4.00 and 5.00 each
Branch plants.....\$2.50, 3.00, 3.50 and 4.00 each

BEGONIA GLOIRE DE LORRAINE

We claim to have the largest and finest stock of this grand Xmas plant in America. All plants propagated from leaves and twice shifted and shipped from 2½-inch pots, \$15.00 per 100; \$140.00 per 1000.

Special prices on lots of 5000 plants or over.

ROBERT CRAIG CO., 4900 Market St., Philadelphia, Pa.

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**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

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Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

Denver, Colo.—Daniels & Fisher have opened a branch on their 16th street side.

Chicago, Ill.—The Briggs House Florist has opened a new store at 167 Dearborn street, in the Saratoga Hotel.

F. R. Hills, formerly of Chicago and Maywood, Ill., is now starting in business in Los Angeles, Cal. Mr. Hills sold his Maywood business to the Albert T. Hay Co. and expects to remain permanently in the West.

DISSOLUTION OF PARTNERSHIP.

The firm of John Breitmeyer's Sons, composed of Messrs. Philip and Fred Breitmeyer, was dissolved, March 1. Philip Breitmeyer acquires and holds the original firm's name in the Detroit end of the business, namely, the retail store, good-will and all belong-

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Mar. 17

Atlantic Transport.

Minnewaska, N. Y.-London...Mar. 19

Cunard.

Ivernia, Boston-Liverpool...Mar. 15

Campania, N. Y.-Liverpool...Mar. 16

Saxonia, N. Y.-Mediterranean...Mar. 19

French.

La Provence, N. Y.-Havre...Mar. 17

Hamburg-American.

Pretoria, N. Y.-Hamburg...Mar. 19

North German Lloyd.

Prinz F. W., N. Y.-Bremen...Mar. 17

Friedrich Der G., N. Y.-Med...Mar. 19

Kron. Cecilie, N. Y.-Bremen...Mar. 22

Red Star.

Vaderland, N. Y.-Antwerp...Mar. 19

White Star.

Celtic, N. Y.-Mediterranean...Mar. 16

St. Louis, N. Y.-S'hampton...Mar. 19

Baltic, N. Y.-Liverpool...Mar. 19

ings, also the greenhouses and stock at Mack and Bellevue avenues, Detroit. Fred Breitmeyer takes all the greenhouses and land at Mt. Clemens, Mich., known as the growing end of the concern, including all stock and other belongings to said business and will conduct the same under his own name.

FRANK DANZER.

BUSINESS CHANGES.

Salt Lake City, Utah.—The Sanders Floral Co. will soon remove to the Cliffhouse Bldg., Cor. Main & 3rd South Sts.

Allegan, Mich.—George M. Conklin has purchased of Harry Hudson his partner, his interest in the greenhouse business on Ely St.

Woonsocket, R. I.—Henry Pierce, formerly one of the proprietors of the Pierce Greenhouses, is now associated with Thomas H. Green of Orchard St.

ALEX. McCONNELL

671 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

M. A. BOWE

In the Heart of New York City

1294 Broadway

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Our Motto—The Golden Rule

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems

FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

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DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

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Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET, - BOSTON

Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

CAUGHT IN THE ACT.



"Yes, my dear, I am late because I stopped at the florist's to get some roses for you."

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Boston—Chas. S. Champney, Inc., 10 P. O. Square.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

BOSTON AND VICINITY

Deliveries promptly and carefully made. Flowers, plants or design work.

CHAS. S. CHAMPNEY, Inc.

10 P. O. Square, Boston, Mass.

Tel. Connection.

NEWS NOTES.

Streator, Ill.—Chas. Ieuter has purchased the residence and greenhouse property of his brother-in-law, Vincent Langley.

New Canaan, Conn.—W. E. Brush & H. J. Lewis have formed a partnership and will soon be prepared to take orders for landscape gardening, etc. They will have offices in Stanford and New Canaan.

Cincinnati, O.—R. A. Kelly has moved one door west temporarily, until the building in which his store was located is remodeled. James O'Malley has moved across the street into the store formerly occupied by Coulthard & Pogue. Albert Heckman, Jr., who has been on the sick list for the past week, is reported convalescent. Alfred Murphy has already bought material for a 200-foot house, and will erect same as soon as the weather permits.

A. O.

THE BEST LETTERS

FOR
FLORISTS'
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Are You Prepared for E A S T E R

We recommend those New Designs in BASKETS for
AZALEAS, LILIES and ROSES

They're one of the best propositions we ever made for the Florist who has a good class of trade to cater to.

There is Yet Time for You to Stock Up

Among our new things that will be needed directly after Easter are Ribbon Posts. Every decorating florist needs them. Bouquet Papers are coming in again. We can supply them. Imported Magnolia leaves are selling fast. We do not handle the domestic kind. Cape Flowers are just in and they're very fine this year. We have prepared Maiden Hair Fern and Japanese Air Plants by the million. Send for quotations and complete catalogue.

**A Leader — Imperial China Ware Open-Work
Plant Receptacles in Many Beautiful Designs.**

H. BAYERSDORFER & CO., Philadelphia, Pa.

1129 ARCH STREET

CHICAGO NOTES.

Florists' Club.

Ladies' night was a great success; in fact, it is generally conceded to have been the best ever given by the Chicago Florists' Club. Nearly one hundred and fifty sat down to the banquet at the Union Restaurant. Music and speeches followed, and Mrs. Clara MacCloud, an elocutionist of note, greatly pleased the company. An especially attractive part of the program was the graceful dances by a little six-year-old girl. The tables were decorated with red roses and green. President Asmus not being in his usual good health, Duncan Robertson was master of ceremonies and did credit to himself and club.

Poehlmann Acquisitions.

Poehlmann Bros. Co. have just purchased fifteen acres of land on the east side of Plaut B, and in a year or two will erect another large range of houses. This piece contains a large dwelling house which will be utilized as a boarding house for the employers. Another fifteen acres on the west side of Plaut B is also a recent acquisition, though Mr. Poehlmann says they do not expect to build on it for some time to come. The cement benches installed in some of the new houses are satisfactory so far, and Mr. Poehlmann can see no difference in the respective merits of those constructed after the Wittbold and after the Garland patents, so far as the appearance of the plants is concerned.

Moninger Busy.

John C. Moninger Co. report that,

notwithstanding the severe winter, business with them has more than doubled and a long list of contracts is on file for spring building. Their new catalog, No. 6, of Pipes and Fittings, is just out and gives distinct cuts with descriptions and prices of everything in that line. It is a valuable book and can be had for the asking. See their advertisement in this paper and send for the book.

Around the City.

All the wholesale florists in Chicago will presently write a different number in their address. Last September a new system of numbering was inaugurated in all parts of the city except the down-town district, and the committee on street nomenclature is now working on a plan which will complete the city.

People especially interested in the beautifying of the city by defeating the pending ordinance granting permission for the erection of billboards upon the roofs of buildings not more than eight stories high are much pleased with the recent decision of the Missouri Supreme Court against this kind of advertising, reversing the decision of the Circuit Court.

The frequency with which women's clubs include papers and talks on plants and trees is quite noticeable. The services of City Forester Prost are very often in demand, but the club members are also bestirring themselves and the result is good programs that cannot fail to show results in the near future. Mr. Prost strongly recommends the appointment by the board of education of a teacher of horticulture to take active charge of

the work in the schools and teach the children how to plant and care for a garden.

The salesmen for the bulb houses seemingly are having a hard time to take orders for their goods, for sharp reductions in price are offered to induce customers to place orders. Overproduction this year is holding back many from the same experience next year. Many blooms have sold for less than the cost of the bulb.

Personal.

H. A. Goodman of the W. W. Barnard Co. has returned from Europe.

Chas. Schlick of Winterson's Seed Store is mourning the loss of his father, whose funeral occurred Sunday, March 6th.

Harry Manheim, after eight years with J. A. Budlong, is now with Hoerber Bros. on the second floor in the Atlas building.

J. W. Starrett now has charge of the table decorations at the New LaSalle hotel. Mr. Starrett has been for 24 years in the wholesale and retail business in Chicago and knows his work perfectly.

Chas. L. Washburn has received a letter from his son, E. B. Washburn, announcing his safe arrival in Riverside, Cal., where they found the temperature 84 deg. in the shade and 102 deg. in the sun.

Harvey Brooks, eleven-year-old son of Mr. and Mrs. Joseph Brooks of Morton Grove, suffered a serious accident to his knee in a fall while skating recently. His wound seemed to be heal-

LILIES FOR YOU

***The same High Grade for Easter that we
Have Been Furnishing in Years Past***

Packed in Boxes of Twenty-five Pots each, nicely Crated over the Top. Our Packing is undoubtedly the BEST IN THE UNITED STATES. Average 5 flowers to the plant. One extra plant, gratis, in each Crate. Prices in case lots, 121-2c. per Flower. Five or more cases 12c. per Flower. ORDER EARLY so that we may be able to ship them Direct from the Greenhouses without rehandling.

**We carry a full line of fresh flowers, all varieties and
the largest stock of Florists' Supplies in New England**

Roses are our specialty. The two Killarneys, Richmond, Bride, Bridesmaid, Chatenay, Maryland, in all grades and prices.

We can supply Grafted Roses—very fine stock; Also Bedding Plants in any variety and quantity.

Plant Auction Sales for Spring Season will begin first week in April

N. F. McCARTHY & CO.

Wholesale Florists and Supply Dealers

84 Hawley St., Boston

ing nicely when the boy had a second fall, this time down stairs, and was taken to the Augustina hospital, where an operation was performed.

F. B. Dickinson has resigned his position as secretary of the E. H. Hunt Co. and with his wife has returned to his home in Chattanooga, Tenn. Mr. and Mrs. Dickinson very much disliked the cold climate of the North. No one has yet taken Mr. Dickinson's place and Mrs. E. H. Hunt is in the office temporarily.

Visitors—Wm. A. Garden, Thorley, N. Y.; E. A. Fancourt, with Pennock-Meehan Co., Phila.; Harry Balsley, Detroit, Mich.; C. W. Shepherd, Joliet, Ill.; Mrs. S. M. Ellison and Harry Ellison of Ellison Floral Co., St. Louis, Mo.

A Correction.

One paragraph in our notes from Joliet, in last week's issue, got out of its proper sequence and would be interpreted as referring to the Chicago Carnation Company, whereas it had reference to the Thompson Carnation Company. Beginning with the line, "Under the supervision of Mr. Peterson," the paragraph refers to the latter concern.

If you want reliable aster seed of the most advanced type you can't do better than send to Vick, who has done more for the development and dissemination of high grade asters than any other American seedsman. It will pay you to read carefully his full page advertisement on page 339, last week's issue of HORTICULTURE.

PERSONAL.

Prof. Charles S. Sargent will start in a few days for Texas in search of new plants, plums especially.

Julius E. Raether, of the Franklin Park Floral Company, has been appointed florist for the Columbus, O., State Hospital.

J. R. Merritt, Woodbury, N. J., a young man with a twelve thousand carnation range, has been making a good name for himself as a grower for the Philadelphia market during the past two years.

Robert Laurie, the irrepressible, erstwhile traveling salesman for W. W. Rawson & Co., has returned to his old love—"back to the mines"—and if Colorado and Nevada mining stocks do not now take on new activity it will not be "Bob's" fault.

Stewart Barclay Lohman, late of the Merion Country Club, is now with the Santa Barbara County Club, Santa Barbara, Cal. This is within seventy miles of his old friend, Edwin Lonsdale, at Lompoc; and it will go hard if there be not a congenial meeting in the near future.

J. W. Rodgers, superintendent of parks of Cincinnati, Ohio, has been visiting Riverside, Cal., and handed out some very eloquent compliments to that city. It is stated that Mr. Rodgers is in California studying the eucalyptus conditions, with the expectation of starting a corporation in Cincinnati. For this purpose he has been spending some time in Fresno and Tulare coun-

ties, where he is contemplating purchasing land.

Mr. and Mrs. William Kennedy of Greenfield, Mass., celebrated the fiftieth anniversary of their marriage on March 2. Mr. Kennedy was born April 8, 1842, at Ayer, Scotland, and married Miss Jane Sherrard in his eighteenth year. At that time he was serving a seven-years' apprenticeship as gardener on the estate of the Duke of Argyle. He began his apprenticeship when 14 years of age, and at the completion of that period had to serve another year in nursery work. He then took a course in a botanical college at Glasgow. After fitting himself for his chosen calling of gardener, Mr. Kennedy was employed by Rector White on an estate outside of Glasgow and was later employed on the estate of Sir Richard Wallace in Ireland, and held similar positions on large estates in other parts of Great Britain before coming to the United States, 28 years ago. For five years he was employed on the estate of I. C. Nickerson at East Brewster as landscape gardener. For over 20 years Mr. Kennedy has lived in Greenfield, where he has been employed by the late James C. Converse, the late G. Clinton Gardner, the late George H. Hovey, George E. Rogers and William H. Ulrich. He was engaged for some time in business as a florist.

Visitors in Boston: E. S. Miller, Wading River, N. Y.; Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia; Julius Rozitsky, New Bedford, Mass.; W. Dykes, representing Ed. Jansen, New York; E. J. Harmon, Portland Me; E. Weinhoeber, Chicago.

Easter Easter Easter

Easter Lilies in Pots \$12.50 per Hundred

Roses—American Beauties, Brides and Bridesmaids, Richmonds, Killarnies, Pink and White, Marylands.

Carnations, Lily of the Valley, Tulips—Lorraine and Morella, Daffodils and Jonquils, best varieties. Single and Double Violets.

Cut Easter and Calla Lilies, Pansies, Sweet Peas, Mignonette, Marguerites. Smilax, Sprengeri and Plumosus, Croweanum Fern.

BEST QUALITY FLOWERS AT THE LOWEST MARKET PRICES

We also carry a full line of Florists' Supplies and Hardy Cut Evergreens, such as Dagger and Fancy Ferns, Bronze and Green Galax, Cut Boxwood Sprays, Festooning and Branch Laurel, Leucothoe Sprays, Green and Sphagnum Moss.

HENRY M. ROBINSON & CO.,

15 Province St. and 9 Chapman Place, Boston, Mass.

Wholesale Commission Florists, Hardy Cut Evergreens and Florists' Supplies

Tel. 2617-2618 Main, Fort Hill 25290-25292.

We never disappoint. Satisfaction guaranteed. Orders placed with us means that you can depend on us.

A WELL ARRANGED FLORAL WREATH.

A certain writer and critic of no small repute remarked in an article which we published recently that the sweet pea was one of the most difficult flowers to show to full advantage in a photograph. The difficulty is not limited to photographic illustration but, as many an artist has found, applies also to the working up of this favorite flower in floral arrangements. We think the wreath herewith illustrated is an exceptionally effective piece of work, characterized by simplicity and good taste, and making use of the sweet pea with very satisfactory results. It was arranged at the florist store of Thomas F. Galvin, Boston.

One of our florist correspondents takes a shy at the "Dutch shoe" as a flower receptacle. He says: "Flowers and shoes don't go together. Shoes are too stiff. Nothing can be made of the Dutch shoe with any arrangement of crocus or hyacinth that the wit of the best artist can devise. If one wants a Dutch effect there are better ways. Jars, vases—many things peculiar to Holland—lend themselves better to the art of floral arrangement."

Atlantic City, N. J.—M. S. Fleming, Ocean Heights Flower Shop, 1345 Pacific avenue, has leased the property at 104 South Carolina avenue, for a conservatory and will carry a large stock of decorative plants.



VISITORS

Of the American Rose Society are
Cordially Invited to call at the

OLDEST, BEST KNOWN AND BUSIEST

Cut Flower Commission House in the

FAMOUS TWENTY-EIGHTH ST. FLOWER DISTRICT

You will find much to interest, perhaps an opportunity
to do some profitable business and we shall be glad to
meet old friends and make the acquaintance of new ones.

EASTER BUYERS

Should now make their wants known. Plenty of first-
class stock at right figures. Biggest Supply of LILIES
Ever Carried by One Establishment. Everything in
the line of flowers in Any Quantity.

“DON'T FORGET THE NUMBER”

JOHN I. RAYNOR

49 West 28th St., New York

Telephone 1998 Madison Square

LILIES FOR EASTER

\$12.00 and \$15.00 per 100

We will have a large quantity of them, long and medium stems and good well hardened flowers. The indications are that the general supply is somewhat short. We advise early ordering.

Business hours: 7. A. M. to 8 P. M.

LEO NIESSEN CO.

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1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

White Carnations

for
ST. PATRICK'S DAY
IN QUANTITY

W.E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N 6th Street, MINNEAPOLIS MINN

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Mar 8		TWIN CITIES Mar. 7		PHILA. Mar. 8		BOSTON Mar. 9	
ROSES								
Am. Beauty, Fancy and Special.....	30.00	to 40.00	35.00	to 45.00	50.00	to 60.00	30.00	to 50.00
" Extra	25.00	to 30.00	30.00	to 35.00	35.00	to 40.00	10.00	to 25.00
" No. 1	15.00	to 20.00	20.00	to 30.00	20.00	to 25.00	10.00	to 15.00
" Lower grades.....	6.00	to 10.00	10.00	to 20.00	6.00	to 12.00	3.00	to 8.00
Bride, 'Maid, Chateauy, F. & S.	6.00	to 10.00	8.00	to 10.00	12.00	to 15.00	0.00	to 8.00
" Lower grades.....	4.00	to 6.00	6.00	to 8.00	4.00	to 8.00	2.00	to 4.00
Killarney, Fan, & Sp.	8.00	to 12.00	10.00	to 12.00	12.00	to 15.00	8.00	to 10.00
" Lower grades.....	6.00	to 10.00	6.00	to 10.00	4.00	to 8.00	2.00	to 6.00
Richmond, Fancy & Special.....	8.00	to 12.00	8.00	to 12.00	15.00	to 20.00	8.00	to 12.00
" Lower grades.....	6.00	to 10.00	6.00	to 8.00	4.00	to 8.00	2.00	to 6.00
My Maryland	10.00	to 12.00	6.00	to 12.00	4.00	to 12.00	2.00	to 10.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	2.00	to 3.00	2.50	to 3.50	2.50	to 3.00	1.50	to 2.00
	1.50	to 2.00	2.00	to 3.00	1.50	to 2.00	.75	to 1.25
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	35.00	to 50.00	50.00	to 60.00	40.00	to 50.00
Lilies.....	12.00	to 12.00	12.50	to 15.00	8.00	to 12.50	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Violets .....	.50	to .75	.50	to 1.00	.50	to .75	.75	to .40
Mignonette.....	4.00	to 5.00	4.00	to 5.00	2.00	to 4.00	1.00	to 3.00
Sweet Peas .....	.50	to 1.00	.75	to 1.25	.50	to 1.00	.50	to .75
Roman Hy. Paper Whites.....	2.00	to 4.00	2.00	to 3.00	2.00	to 4.00	1.00	to 2.00
Trumpet Narcis	1.00	to 3.00	2.50	to 3.50	2.00	to 3.00	1.00	to 3.00
Tulips.....	2.00	to 4.00	3.00	to 3.50	2.00	to 4.00	1.00	to 3.00
Gardenias	20.00	to 30.00	30.00	to 40.00	15.00	to 35.00	15.00	to 30.00
Adiantum	1.00	to 1.00	1.25	to 1.50	.....	to 1.50	1.00	to 1.50
Smilax	12.00	to 15.00	12.00	to 15.00	15.00	to 20.00	12.00	to 16.00
Asparagus Plumosus, strings (100) ..	50.00	to 60.00	40.00	to 50.00	.....	to 50.00	.....	to 50.00
" " & Spren. (100 bchs.) ..	14.00	to 40.00	25.00	to 35.00	35.00	to 50.00	.....	to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

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Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 1,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in
one or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, CHICAGO, ILL. FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers
Bring in Your Orders. Roses and Carnations Our Specialty

FORD BROTHERS

Are carrying the finest stock of flowers in the City and are ready to contract for

EASTER DELIVERY

In full assortment, highest quality and fair prices. Visiting Rose Growers are Invited to Call.

48 West 28th Street

New York

PHONES, 3870-3871 MADISON SQUARE

FOR THE FINEST GRADES OF CUT FLOWERS ALL THE
TIME, INCLUDING EASTER

SEND TO

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Wholesale Commission Florists

55 and 57 West 26th Street

TELEPHONE No. 756 MADISON SQ

New York

FRANK L. MOORE, Chatham, N. J.

HENRY HENTZ, JR., Madison, N. J.

JON'N NASH, New York

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WHOLESALE FLORIST

EASTER FLOWERS AND PLANTS

IN FULL ASSORTMENT

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'Phones: 3860-3861 Madison Sq.

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NEW YORK

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AZALEAS

\$1.00, \$1.25, \$1.50, \$2.00,
\$2.50, \$3.00, \$4.00, \$5.00,
\$7.50, \$10.00, \$12.50 each.

DEUTZIAS

\$1.00, \$1.50, \$2.00, \$2.50
each.

**HYBRID
ROSES**

\$0.75, \$1.00, \$1.50, \$2.00
per doz.

POT LILIES

Per bud and flower 15 cts.
A few extra select speci-
mens in limited quantities
17½ cts. A few seconds
12½ cts.

CUT LILIES

\$15.00 per 100; \$2.00 per
doz.

**HYDRAN-
GEAS**

\$1.00, \$1.25, \$1.50, \$2.00,
\$3.00, \$5.00.

PANDANUS

Veitchi, 6 inch \$1.00;
8 inch \$2.00.

**COLD AND
SILVER
MAPLES**

10 inch tubs, \$2.50, \$3.50
each.

RAMBLERS

CRIMSON, \$1.00, \$1.50, \$2.00; PERKINS, \$2.00, \$3.00,
\$4.00, \$5.00; BABY, \$0.75, \$1.00, \$1.50, \$2.00, \$2.50;
BABY DOROTHY, \$0.50, \$0.75, \$1.00; TAUSEND-
SCHON, LADY GAY, HIAWATHA, \$1.25, \$1.50,
\$2.00, \$3.00, \$3.50.

BOUGAINVILLEAS

6 inch \$2.00, 7 inch \$3.00, 8 inch \$4.00, 10 inch \$5.00, 12
inch \$7.50, Specimens \$25.00.

SPIREAS

GLADSTONE, 7 in. \$0.50
\$0.75; 10 in. \$1.50, \$2.00;
12 in. pans, \$2.50, \$3.00
each. Other varieties: \$4.00,
\$6.00 doz.; new pink \$1.00
each.

GARDENIAS

6 in. \$1.00; 7 in. \$1.50; 8
in. \$2.50, \$3.50, \$5.00.

CINERARIAS

\$3.00, \$4.00 and \$5.00 per
doz.

**MAR-
QUERITE
DAISIES**

White, \$0.50, \$1.00, \$3.00;
Yellow, \$1.00, \$1.50 each.
Queen Alexandra, \$0.35,
\$0.50, \$0.75 each.

GENISTAS

7 inch pans \$1.00.

**RHODO-
DENDRONS**

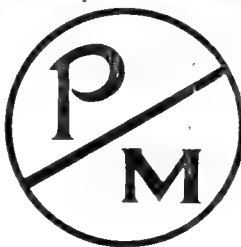
\$1.25, \$1.50, \$2.00, \$2.50,
\$3.00, \$4.00, \$5.00, \$7.50.

**HAW-
THORNS**

English, \$1.50 each.



OUR 1910 Easter plant list has been mailed. If you have not received a copy send for same at once. We mention here a few of the many items offered. We call attention to the QUALITY of our offerings which is P/M all lines. Our standard — in Easter Lilies especially fine.



QUALITY

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MEEHAN CO.

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Cut Flowers

*Finest long stemmed
Killarneys, Richmonds,
Jardines, Bridesmaids,
and Beauties for Easter.
All other popular flowers
of the best quality.*

*Easter cut flower list
ready about 17th inst.*

**Ribbons and
Supplies**

*Everything in Florists'
Ribbons; Crepe Paper;
Greens of all descriptions
and all the Staple Florists
Requisites. Catalog on
request.*

Flower Market Reports

BOSTON

Although there is unquestionably a surplus of flowers, taken altogether in this market at the present time, yet we cannot in justice report conditions as being so bad as reported from some other centres or as bad as they have been on many occasions in the past right here. It is the belief of some that the fashion of going south at this season of the year, which select society indulges in so generally, is largely responsible for the slack demand for choice flowers. Gardenias have fallen off in demand and violets are away down at the bottom of the ladder. Carnations are overstocked generally in the wholesale marts. Roses fare better and may be said to be doing considerably better than they did last week. Beauty is in brisk demand, selling better than at a corresponding date last year. Killarney, White Killarney and Richmond are all moving satisfactorily, everything considered. All bulbous material goes hard. Whatever portion of it is marketed is at a figure too low to leave anything for the producer. *Acacia pubescens* has been a good seller, but is now about closed out. Lilies are beginning to move better than they did. Perhaps the liveliest things are the odd and miscellaneous flowers such as cornflowers, snapdragon, wallflowers, cowslips and myosotis. Asparagus and adiantum are decidedly scarce, *Adiantum Croweanum* moving at a very lively clip.

BUFFALO

Everything in the cut flower line the past week and trade fairly good, considering the amount of stock handled. The beginning of the week was rather quiet, but Friday and Saturday made up for lost time. Having a couple of spring days with the thermometer registering 58 to 60 made it satisfactory for the trade; there being so much stock, especially carnations, bargain signs were numerous. A good portion of every kind moved, but high prices were out of the question. Bulbous stock is coming in more plentifully, and so far has moved fairly well, save lily of the valley which is of excellent quality but with little or no demand. Roses are increasing in quantity daily. Beauties are had, but there is no special demand. Peas are in good supply and have sold well.

CHICAGO

The condition of the Chicago market is very unsatisfactory. While there are various causes, which, acting together, have made the present conditions, the most potent one is no doubt the sudden change in the weather last week. After weeks of cold and cloudy weather had held the stock back, summer heat suddenly came and the long-delayed blossoms responded at once. The tables in the wholesale houses were filled with all kinds of roses, carnations, bulb stock, violets and everything else that the growers could bring in. The result was the selling only of the first-

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Mar. 8		Mar. 6		Mar. 8		Mar. 8	
ROSES								
Am. Beauty, Fan. and Sp.....	30.00	to 40.00	20.00	to 25.00	40.00	to 50.00	40.00	to 50.00
“ Extra	10.00	to 20.00	15.00	to 20.00	20.00	to 30.00	20.00	to 30.00
“ No. 1.....	10.00	to 15.00	12.00	to 15.00	10.00	to 15.00	8.00	to 10.00
“ Lower grades.....	3.00	to 6.00	4.00	to 10.00	6.00	to 8.00	3.00	to 4.00
Bride, "Maid, Chateaux, F. & S.	8.00	to 10.00	6.00	to 8.00	10.00	to 12.00	6.00	to 10.00
“ Low. gr.	4.00	to 6.00	3.00	to 6.00	4.00	to 6.00	3.00	to 4.00
Killarney, Fan. & Sp.	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	6.00	to 10.00
“ Lower grades.....	4.00	to 6.00	3.00	to 6.00	4.00	to 6.00	3.00	to 4.00
Richmond, Fancy & Special.....	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	8.00	to 15.00
“ Lower grades.....	4.00	to 6.00	3.00	to 6.00	5.00	to 8.00	3.00	to 6.00
My Maryland.....	4.00	to 10.00	4.00	to 8.00	5.00	to 10.00	3.00	to 10.00
CARNATIONS, Novelties and Fancy								
“ Ordinary	3.00	to 4.00	2.00	to 3.00	.....	to 3.00	.....	to 3.00
“	1.50	to 2.00	1.00	to 2.00	1.50	to 2.50	1.00	to 2.00
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	.....	to 50.00	50.00	to 60.00	.....	to 50.00
Lilies.....	10.00	to 15.00	15.00	to 20.00	.....	to 10.00	8.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets.....	.10	to .50	.50	to .75	.50	to .75	.50	to .75
Mignonette.....	8.00	to 10.00	6.00	to 10.00	2.00	to 4.00	2.00	to 4.00
Sweet Peas.....	.50	to 1.00	.50	to 1.00	.50	to 1.00	.50	to .75
Roman Hy. Paper Whites.....	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Trumpet Narcis.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Tulips.....	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Gardenias.....	30.00	to 40.00	30.00	to 40.00	.....	to 10.00	.....	to 10.00
Adiantum.....	1.00	to 1.50	.75	to 1.00	1.00	to 1.50	.....	to 1.25
Smilax.....	12.00	to 15.00	15.00	to 20.00	12.00	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100) ..	40.00	to 50.00	30.00	to 50.00	40.00	to 50.00	30.00	to 50.00
“ “ & Spre. (100 bchs.) ..	20.00	to 30.00	30.00	to 50.00	25.00	to 50.00	35.00	to 50.00

class stock and the loss of the poorer flowers. No reports of delayed shipments in the South or West have been received yet but the firms doing a large shipping business are expecting them. It is quite an annual affair to have the rivers play havoc with perishable stuff. Jonquils are coming in from the South. They are much smaller than the home grown and suffer in comparison. With the opening of the present week the weather again became cold and Monday found stock well cleaned up.

CINCINNATI

Business for Mid-Lent is very satisfactory. Beauties are in good supply and the demand just about cleaning them up daily. Bridesmaid, Bride and Killarney are coming in more plentifully the call being mostly for Bride, which causes a little shortage of this variety. About one half of the carnations received are "splits." Fancy stock holds its own as to price. About two-thirds of the orders received for carnations call for white. The supply of callas equals the demand. Violets are in abundance and there is very little sale for same. A nice lot of sweet peas are received, the majority bringing 50c. per 100, exceptionally fancy stock fetching 75c. per 100. Lily of the valley is a drug on this market. Tulips, Miniature Dutch hyacinths and other bulbous flowers are moving nicely. Asparagus plumosus is scarce, with enough *Springerii*, smilax and other green goods to fill all orders.

DETROIT

The local market has been swamped with flowers of all kinds, and wholesale prices were at the same low figure as the week before. Retail prices are very much demoralized, carnations, for instance, selling as low as 25c. per dozen. Bulbous flowers are better appreciated by the people than by the growers. The Saturday carnation sale at Sullivan's used up a little of 10,000 flowers, and this helped a good deal to clear the market.

PHILADELPHIA

Enormous quantity of flowers coming in and trade sluggish. Stock is being sold in the wholesale markets at any price it will bring—and quoted rates give but a faint idea of the actual situation. The labor troubles make matters worse in the central districts, of course; but out-of-town demand is not what it should be and it is probably true that general conditions all over the country are not as good as they were this time last year. Certain it is, that carnations have surpassed themselves in the past week or two; one wholesaler stated that his receipts for that time were "ten thousand more than double" the amount. One can readily imagine the effect of that influx on a sluggish market. One-half the product last year probably brought as much in dollars and cents as twice as much this year. Good American Beauty roses are about the only scarce item on the list. Specials are the only grade that are any way par and these bring good figures. All other grades are poor and hard to sell at any price. Single violets have been under the weather; wouldn't keep; went to sleep in no time; too soft from the dull days. But they are all right again now. White roses are selling pretty well, but have eased up in price. However, the excellent clean-up helps out on the average. Gardenias are suffering from the same deplorable conditions as carnations. A fine big crop coming in on a congested market, and selling at very reasonable prices. Lily of the valley plentiful and unusually fine. Daffodils and callas—forty times as much as the market can absorb. All bulbous stock going very cheap. Good Asparagus plumosus is scarce; in fact, all greens are in good healthy demand and not oversupplied. The prospects for Easter seem good, many of the out-of-town buyers already dropping in to look things up and leave their orders.

(Reports continued on page 1)

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 57 West 28th St. :: NEW YORK
 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send
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 shippers of first-class stock invited.
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 Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
 55 WEST 28th ST.

Tel. 1462 Madison Square New York
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**B. S. SLINN, JR.
VIOLETS**

Selling Agent for the Largest and Best
 Growers in the Hudson River District.
 55 and 57 West 26th St., New York City.

**Greater New York
Florists' Association,
Inc.**

Now Open for Cut Flower Consignments
 162 Livingston Street, BROOKLYN, N. Y.
 Geo. W. Crawbuck Telephone Connection
 Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists

55 and 57 West 26th Street
 Telephone No. 756
 Madison Square New York

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK

Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.
WHOLESALE FLORISTS
383-387 Ellicott Street
BUFFALO, - N. Y.**REED & KELLER**
122 West 28th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites**JOHN I. RAYNOR**

Wholesale Commission Florist SELLING AGENT FOR
 LARGEST GROWERS
 A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices
 TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

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Wholesale Commission Dealer in

CHOICE CUT FLOWERS

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 Telephone: 3532-3533 Madison Square

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ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS
 GARDENIAS, DAISIES, ROSES AND CARNATIONS ON HAND
 JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER 55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
 till 10 a. m. **CUT FLOWERS**
 Tel. 243 and 2921 Madison Sq. Res., 345 J., Newtown.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Mar. 5 1910		First Half of Week beginning Mar. 7 1910	
American Beauty, Fancy and Special.....	40.00	to 50.00	40.00	to 60.00
" " Extra.....	15.00	to 25.00	15.00	to 25.00
" " No. 1.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, 'laid, Golden Gate, Fancy and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Killarney, Fancy and Special.....	6.00	to 10.00	4.00	to 10.00
" " Lower Grades.....	1.00	to 5.00	1.00	to 3.00
Richmond, Fancy and Special.....	10.00	to 20.00	10.00	to 20.00
" " Lower Grades.....	1.00	to 6.00	1.00	to 6.00
Fly Maryland.....	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy and Novelties.....	1.50	to 3.00	1.50	to 4.00
" Ordinary.....	.50	to 1.00	.75	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
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CENTRALLY LOCATED, THE HUB OF THE
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CHARLES MILLANG
 Wholesale Florist
 55 & 57 W. 26 St., NEW YORK
 Telephone 7062 Madison

THE KERVAN COMPANY
 Fresh Cut Evergreens, Mosses,
 Southern Smilax, Galax and Leucothoe.
 Preserved and Fresh Cut
 Cycas and Palmetto.
 Tel. 1519 5893 Mad. Sq. 113 W. 28 St., New York.

WILLIAM H. KUEBLER
 Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

**KRICK'S FLORIST
NOVELTIES**
 Manufacturer and Patentee of the Perfect
 Adjustable Pot Handle or Hanger,
 Perfect Adjustable Plant Stands and
 the Original Genuine Immortelle Let-
 ters, etc. Every Letter Marked.
 1164-86 Greene Av., Brooklyn, N. Y.
 For Sale by all Supply Houses



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

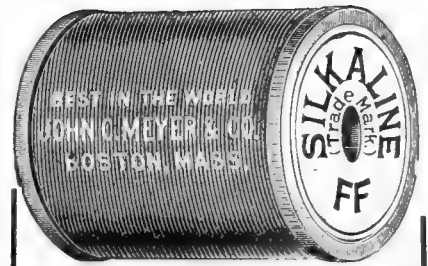
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SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



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John C. Meyer & Co.

1500 Middlesex Street, Lowell, Mass.

Take No Other.

WHOLESALE FLORISTS

54 West 28th St.
NEW YORK

Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.

CONSIGNMENTS SOLICITED.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

FLOWER GROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. WHOLESALE FLOWERS ONLY.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports.

(Continued from page 413)

Last Saturday there
NEW YORK was a considerable revival of business and Monday opened with some encouragement that it might continue, but the over-abundance of stock and the passing of a temporary demand leaves the market in but little better shape than it was before. The cut of carnations is heavy and Bridesmaid, Bride and Killarney are too plentiful to command steady prices in the rose line. Beauties are still off crop and selling at 60c. for best grade with occasional sales at 75c. where the quality is exceptionally fine, but there is much poor stock for which there is no settled price. Special grade Richmond benefits as a result of the limited supply of Beauties. Bulbous stock is still a big feature as to quantity, particularly Golden Spur narcissus, though tulips are in lighter supply this week. Prices are weak on lily of the valley, for which the demand is not nearly equal to the supply. Lilies are moving somewhat better, but the market is not strong enough to warrant much increase in price. Quotations on violets do not change. There is little difference in the market for orchids and gardenias. Sweet peas are very plentiful, both long and short stems. It is difficult to realize on the latter.

PHILADELPHIA NOTES.

"Mayflowers" (Trailing Arbutus) have made their appearance. Pennock Bros. had a fine showing on the 7th inst. Old-fashioned bouquets were the feature of the great Pennock window this week.

A handsome specimen of Eupatorium triste is exhibited in the Habermehl window at the Bellevue-Stratford, this week. This is good as a pot plant, but the stems are too sticky to make it pleasant for designs.

Mr. J. Wolff Moore, Columbia avenue, has entrusted the Lord & Burnham Co. with the erection of the im-

provements in their store. The passage display will be 8 x 65 feet, the conservatory, 24 x 50 feet. D. T. Connor is in charge of the operation.

James Vick of Rochester, lately with P. Henderson & Co., and J. M. Thorburn & Co., of New York, is now with the Holmes Seed Co., Harrisburg, Pa. C. H. Carr, lately with Messrs. Gray, Farquhar, and Breck, of Boston, has also taken a responsible position with Messrs. Holmes.

A. B. Cartledge, Jr., has joined the Florists' Club, and will doubtless soon make as good a name among winners in indoor sports as in yachting circles. Welcome to our midst, A. B., Jr. But look out for your handicaps if you run up against the lads who can do from two-fifty to three hundred.

M. Rice & Co. have had to start night work, much against their will, in order to get out their Easter orders. The troubles in the labor world have stopped operations in the building line here, and the bad scaffolding and light obscuring conditions are liable to continue longer than was expected.

Andrew Morrison, late of California and Rydal, Pa., is back in town and open for engagement on gentleman's estate. Mr. Morrison is a younger brother of George Morrison of Baltimore, and is considered one of the best private gardeners of the younger generation. See his adv. in this issue.

The big banquet on the 15th inst.,—at Dooner's,—under the auspices of the National Gardeners, is well under way. W. Kleinheinz, the president of the Gardeners' Association, says there will be a large attendance. This is not a closed proposition. Anyone willing to pay for a ticket is welcome, so long as he tells Mr. Kleinheinz or Secretary Maynard on or before the 13th.

The Holmes Seed Co., through H. L. Holmes, vice-president and general manager, tendered the employees a banquet at the Commonwealth Hotel, Harrisburg, on March 2nd, in commemoration of the largest month's business done (by many thousand dollars) in the history of the company. H. M. Miller, expert accountant, acted as toastmaster, and bright speeches were made by the heads of the different departments. Mr. Holmes received many congratulations on the happy occasion and responded in his usual felicitous vein.

Visitors: C. B. Knickman, New York; H. L. Holmes, Harrisburg, Pa.; P. J. Lynch, New Castle, Ind.; Mr. and Mrs. Johnson, Baltimore, Md.

SOUTHERN WILD SMILAX

Fully Guaranteed.

LOUISVILLE FLORAL CO.

Louisville, Ala.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Mar 5 1910		First Half of Week beginning Mar. 7 1910	
Cattleyas.....	35.00	to 40.00	35.00	to 40.00
Lilies.....	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Narcis. Paper White.....	.50	to 2.00	.50	to 1.00
Trumpet Narcis.....	1.00	to 2.00	1.00	to 2.00
Tulips.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.20	to .35	.20	to .40
ignonette.....	1.00	to 4.00	1.00	to 4.00
Sweet Peas (per 100 bchs).....	3.00	to 8.00	3.00	to 8.00
Gardenias.....	5.00	to 30.00	5.00	to 25.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
SamMax.....	10.00	to 15.00	12.00	to 16.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Spran. (100 bchs).....	25.00	to 35.00	25.00	to 35.00

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMARYLLIS SEEDLINGS

Knight & Struck, New York, N. Y.
For page see List of Advertisers.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, 5000 strong field stock, 18 to 24 live tops at 4c., also 50,000 privet, 20 to 30, 18 to 24 and 15 to 18 in. Write Benj. Connell, Merchantville, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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50,000 extra strong 2 and 3-yr. asparagus roots, mostly Palmetto, 2-yr., extra heavy, \$1.00 per 100, \$4.00 per 1000; 3-yr. very fine, \$1.25 per 100, \$5.00 per 1000, packed free. Guaranteed to please. Chas. Black, Hightstown, N. J.

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

Asparagus Sprengerii, strong plants, 2 1/2 in., \$2.00 100, \$18.00 1000; 3 in., \$3.00 100, \$27.00 1000. The East Lawn Gardens, Urbana, Ohio.

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Asparagus Sprengerii, 2-in., \$3.00 per 100; 3 1/2 in., heavy, \$4.50. Wagner Park Conservatories, Sidney, O.

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Jas. Vick's Sons, Rochester, N. Y.
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G. F., care Horticulture.
Large Azalea Wanted.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
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2000 Bay and Box Trees in all sizes. Pyramid and Standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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CANNAS

Arthur T. Boddington, New York, N. Y.
Cannas. Sec. Chabanne, Paul Marquant, Cinnabar, \$1.75 per 100; Pennsylvania, \$2.00; Robusta, Mlle. Berat, \$1.00; Beaute Poitevine, Pres. Viger, \$3.00; Papa Nardy, \$5.00. Wagner Park Conservatories, Sidney, O.

Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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Carnations for Immediate Delivery.
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Rooted Cuttings.

Skidelsky & Irwin Co., Philadelphia, Pa.
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Alma Ward and Mrs. C. W. Ward.
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J. D. Thompson Carnation Co., Joliet, Ill.
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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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J. D. Thompson Carnation Co., Joliet, Ill.
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Chrysanthemums, strong, well rooted cuttings, from bench-grown stock, guaranteed to give the best of satisfaction.

1000	1000
Mme. Touset, \$10.00	W. Bonaffon, \$10.00
Bergman, early	Y. Bonaffon, 10.00
white, 15.00	Yellow Eaton, 15.00
Mrs. Robinson, 10.00	White Eaton, 15.00
Oct. Frost, 10.00	G. Pacific, 10.00
Ivory, 10.00	Chadwick, 15.00
Pink Ivory, 10.00	

Golden Glow, \$20.00 per 1000. This is the earliest and best money maker of all mums.

We have good R. R. service, 24 express trains daily.

Swan Peterson Floral Co., Gibson City, Ill.

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CHRYSANTHEMUMS—Continued

2000 White Bonaffon Chrysanthemum cuttings rooted, \$2.00 per 100; \$18.00 per 1000. Also 500 Dracena indivisa in 3½ and 4 in. pots, fine plants, at \$8.00 per 100. Wilfrid Wheeler, Concord, Mass.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria \$4.00 per 100; \$35.00 per 1000. Stafford Floral Co., Stafford Springs, Conn.

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Coleus rooted cuttings, good varieties, 60c. per 100; \$5.00 per 1000. Swan Peterson Floral Co., Gibson City, Ill.

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Edwards Folding Box Co., Philadelphia. For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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Thomas Roland, Nahant, Mass. For page see List of Advertisers.

Cyclamen splendens giganteum hybrids. The strain which I offer is unsurpassable. August seedlings twice transplanted from flats, in five colors, including fringed varieties, \$3.00 per 100. \$25.00 per 1000; from 2½-in. pots, \$5.00 per 100, \$45.00 per 1000. Paul Mader, East Stroudsburg, Pa.

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Peacock Dahlia Farms, Williamstown Junction, N. J.

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Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Mantou, Princess Yetive, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, Kriemhilde, Wm. Agnew, Zulu and other varieties, strong divisions, 5 cts. each; also Gladiolus, Groff's Hyb. seedlings, \$1.00 per hundred. E. R. Macomber, 20 Leonard St., Woodfords, Maine.

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias. Black Beauty, Elegante, \$3.00 per 100; Arabella, Earl of Pembroke, \$6.00. All large roots. Wagner Park Conservatories, Sidney, Ohio.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Daisy Queen Alexandra, from 2¼-in. pots, \$2.50 per 100. Cash. O. B. Kenrick, 52 Alexander, Belmont, Mass.

English daisies, double, 2½-in., extra heavy, \$3.00 per 100. Wagner Park Conservatories, Sidney, Ohio.

DECORATIVE PLANTS

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F. R. Pierson, Tarrytown-on-Hudson, N. Y. Select Ferns.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Ferns. Pierson, Barrows, Scott and Elegantisima, 4-in., \$15.00 per 100. Wagner Park Conservatories, Sidney, O.

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Wizard Brand Cattle Manure.

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D. D. Johnson Co., Chicago, Ill.

Evergreen Brand Fertilizer.

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FICUS

Ficus elastica, 20 to 24 in., extra fine, \$3.00 per doz. Wagner Park Conservatories, Sidney, O.

FLORISTS' ENCYCLOPEDIA FREE

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100. 3-in. \$4.00 per 100. Mme. Sallerol out of 2 inch, fine plants, \$2.00 per 100. Verbenas out of 2 inch, separate colors or mixed, \$2.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirer, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

For Sale; 200 big, fancy Nutt geraniums in 5 in. pots; full of buds and bloom. Price 10c. each. Too large for our trade. G. S. Ramsburg, Somersworth, N. H.

GLADIOLI

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John H. Umpleby, Lakeview, N. Y.

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Gladioli. Independence, the best red in the market; also Mrs. Frances King, Glant Pink, Augusta and Groff's hybrids, genuine stock. Write for prices. Geo. S. Woodruff, Independence, Iowa.

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

Buy Independence gladiolus direct from home. We grew the stock that was introduced in 1908. Planting sizes cheap for cash. G. D. Black & Co., Independence, Iowa.

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladioli Mrs. Francis King, \$3.00 per 1000; also other choice sorts cheap. Cash. P. O. Coblenz, New Madison, Ohio.

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Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

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Peerless Glazing Point.
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- GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

- Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

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GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.
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GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

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- Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS.

- Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2 1/2-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

- Hydrangea arborescens grandiflora. We have the largest stock of strong, 2-year plants in America. Plants 2 to 3 ft., \$2.50 per doz.; \$15.00 per 100; \$140.00 per 1000; good plants, 15 to 20 inches, \$20.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

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- Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IRON VASES

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IVIES

- Ivy, English, pot grown plants, 4 in. pots, 3 ft. long, 3 to 5 branches, \$12.00 and \$15.00 per 100. A. L. Miller, Jamaica, opp. Schenck Ave., Brooklyn, N. Y.

JAPANESE PLANTS

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- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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- Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
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- E. M. Darnalt, Philadelphia, Pa.
- Frank Weinberg, Woodside, L. I., N. Y.
- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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Orchid Peat and Moss always on hand
Julius Roehrs Co., Rutherford, N. J.

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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfeld, West Point, Neb.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

Double Petunias.
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Howard's New Star Petunia—the loveliest single petunia in the world. Producing a silvery white star, fading into a background of rich crimson maroon. Easily grown. Blooms profusely. Of surpassing beauty. Valuable bedder and seller. Twenty-five cents per trade packet. Address the originators, A. B. Howard & Son, Belchertown, Mass.

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I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Rondeletia, Lattmanns Hybrids, 10 colors mixed, 2 inch, 2c.; Obconica gigantea, mixed, 2 inch, 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. Fink, Pottstown, Pa.

PRIVET

California Privet, 10 to 15 inches, branched, \$10.00 per 1000; larger sizes at low rates. E. Y. Teas, Centerville, Ind.

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The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SALVIA

Salvia rooted cuttings, Bonfire and Spotted Beauty, \$1.00 per 100, \$8.00 per 1000; 2½-in., \$2.50 per 100. Swan Peterson Floral Co., Gibson City, Ill.

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Cauliflower and Cabbage Seed.

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Shamrock. True Irish. Strong plants from 2 inch pots, \$5.00 per 100, \$45.00 per 1000. Cash with order. Frank Oechslin, 4911 Quincy St., Chicago, Ill.

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Southern Wild Smilax.

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Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

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Green Silkline.

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SPHAGNUM MOSS

Sphagnum moss, best quality, 75c. per bale; 10 to 40, 60c. each. Cash with order.

Write for prices on larger quantities. L. Amundson & Son, City Point, Wis.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Slippi, Wis.

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THYME

Thymus citriodorus aureus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild Plant Improvement Gardens, Santa Ana, Cal.

TRITOMAS

Tritoma Pfitzerii, red hot poker plant, \$6.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

In writing to Advertisers kindly mention Horticulture

VEGETABLE PLANTS

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Transplanted G. R. lettuce plants, \$1.50
per 1000; from seed bed, \$1.00 per 1000.
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VENTILATING MACHINERY, New
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Wirework—Compare our prices with
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MARBLE LIMESTONE.

The Stearns Lime Co., Danbury, Conn.
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"ORCHID FLOWERED" SWEET PEAS.

W. Atlee Burpee & Co., Philadelphia, Pa.
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ORCHID PEAT (OSMUNDA FIBRE).

C. W. Brownell Co., Walden, N. Y.
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ORCHIDS AND OTHER FLOWERS OF CHOICEST QUALITY.

James McManus, New York, N. Y.
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OLD ENGLISH GLAZING PUTTY.

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ORCHIDS, PALMS, STOVE PLANTS, EVERGREENS, ETC.

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RED CHRISTMAS FLOWER NOVELTY.

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WHITE AND PINK KILLARNEY, MY MARYLAND, BRIDE, ETC.

Poehlmann Bros Co., Morton Grove, Ill.
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WHITE KILLARNEY AND OTHER HIGH-GRADE ROSES.

Waban Rose Conservatories, Natick, Mass.
For page see List of Advertisers.

HELP WANTED

AN EXPERIENCED NURSERYMAN

For propagating shrubs, herbaceous and bedding plants. State references, age and wages wanted. Address

Rhode Island Nurseries, Newport, R. I.

WANTED

A first class man as manager of a large commercial place where roses and carnations are grown; must have had experience and be competent to take full charge; good salary to right man. In answering, give full particulars as to experience. "Grower," care of HORTICULTURE.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

WANTED—A sober, reliable, all round man for a commercial place. Steady position for the right man. Address Geo. E. Felch, Ayer, Mass.

SITUATIONS WANTED

SITUATION WANTED—By German, 44 years of age, single, good grower of vegetables and flowers under glass and out doors; 13 years' practical experience in a White Mountain summer resort. Can furnish good references. Address with particulars, Julius Shuenhoff, care J. V. Tilton, Wellesley, Mass.

SITUATION WANTED—Andrew Morrison, late with Curwen Hoddert, Rydal, Pa., and E. P. Wright, Duarte, Cal., is open for engagement in a good private place. Address him, care HORTICULTURE, 9th and Market Sts., Phila.

COACHMAN, gardener, married; understands farming, poultry; able to take full charge of country place. Hans Zeman, care Dr. v. Raitz, Ossining, N. Y.

FOR SALE

FOR SALE—Greenhouse property with or without stock; 4 houses, with 6000 ft. glass; also barn and sheds; room for more houses. Greenhouses one year old. Second floor barn finished for living purposes. Gerudt & Co., Room 1008 Union Bldg., Newark, N. J.

FOR SALE—10,000 ft. glass, nearly new, stocked for cut flowers and bedding stock; thoroughly established trade; no competition; 8 acres market garden land; 1½ miles from best market in state; cause, poor health. Glenwood Greenhouses, Glenwood Springs, Colo.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

ILLUSTRATIONS

ARE

MONEY MAKERS

FOR

ADVERTISERS

A good illustration is often the means of making a sale, especially if it shows something new or novel.

We have in stock many of the cuts used in our reading articles, all of which show the best type of the subject illustrated and in an effective manner.

They should all prove effective for catalogue or advertising purposes and can be secured at about half price.

Tell us your requirements and we will send you proofs of cuts nearest suited to your needs.

HORTICULTURE PUBLISHING COMPANY

11 Hamilton Place, - Boston, Mass.

For San Jose Scale, and to Improve Health of Tree and Shrub.

BOWKER'S

Concentrated

Lime-Sulphur

Made in New England. FRESH from Factory to User.

NOW IS THE TIME TO ORDER Lime-Sulphur, which should be used while the trees are dormant. It destroys San Jose and all other Scale Insects and fungous spores wintering on the bark. It improves the health of the tree by destroying the mosses and lichens. As J. H. Hale says: "It smoothes up the trees."

All ready to use by adding cold water. No boiling, no special mixing plant required; no guesswork as to formula. Just add **cold** water, and spray.

Before spraying your orchard, post yourself about Bowker's sprays.—Write today for prices.

BOWKER INSECTICIDE COMPANY,
43 Chatham St., Boston, Mass.

Manufacturers of Bowker's PYROX for fruits and vegetables.

CATALOGUES RECEIVED

F. & F. Nurseries, Dept. Amer. Nursery Co., Springfield, N. J.; Bloodgood Nurseries, Dept. Amer. Nursery Co., Flushing, N. Y.—Spring Trade Lists, 1910, for nurserymen and dealers only. Very complete list of fruit and ornamental stock.

Eastern Nurseries, Henry S. Dawson, Mgr., Jamaica Plain, Mass.—Wholesale Trade List, Spring, 1910. This list of the very best of the well-proven hardy trees and shrubs and herbaceous perennials for ornamental planting is indispensable to the dealer who proposes to be in the advanced rank of his profession.

D. Hill, Dundee, Ill.—1910 Catalog and Planting Guide. The cover of this publication is unique and appropriate. All the illustrations in the work, including cover views are from actual photographs. The big nursery which stands behind the book has been es-

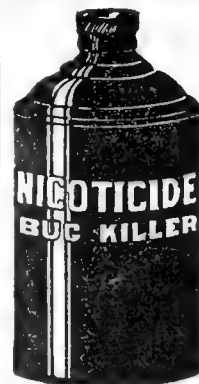
tablished for over half a century and the contents of the work show that it is doing good work by placing the finest of the garden ornaments within the reach of the people.

INCORPORATED.

Selah, Wash.—The Selah Valley Nursery Co., capital stock \$5,000. Incorporators, B. Wood, A. C. E. Brown.

Mount Pleasant, Tex.—The Vine Hill Nursery Co., capital stock \$20,000. Incorporators, M. G. Black, H. W. Peterman, T. S. Denman, E. C. Lilienstern.

New Orleans, La.—A rose garden, with 1,000 varieties of roses, is to be added to City Park as one of the newest beauty spots. The garden will be located adjacent to the hothouses, just beyond the polo field. The commissioners of the park have set aside the necessary amount of ground for the proposed garden.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P.R. Palethorpe Co.
OWENSBORO KY.



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**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
31 Union Stock Yards Chicago

Had you any trouble with the MARCH WIND coming through crack or crevice in the Greenhouse?

TWEMLOW'S

Old English



Glazing Putty

SEMI-LIQUID

and ELASTIC

Will stop the trouble. Put up in 16 pound cans; 50 and 80 pound buckets.

Hammond's Greenhouse White,

tear and looks on either wood or iron Greenhouses. It stays where you put it. A SUPERB PAINT, with twenty years' record to back it up, for wear and

In 5, 10, 15, 20, 25 or 30 Gallons.

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, New York

Immediately Available Plant Food EVERGREEN BRAND FLOWER FERTILIZER

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

D. D. Johnson, 64-66 Wabash Ave., Chicago.

Write for further information

The Mastin Automatic White-wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass. The pump is of brass throughout, simple and powerful. The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.

All parts are made to gauge, and may be had for repairs. Just the thing for distributing liquid fertilizer in greenhouses. Ask your dealer about our EXTENSION HOSE, EXTENSION RODS, and the MASTIN WHITE-WASH NOZZLE for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co.,

3124 West Lake Street
CHICAGO, ILL.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

GREENHOUSES BUILDING.

Peoria, Ill.—H. C. Otto, house, \$300.
Pomfret Center, Conn.—Robert Rust, addition.

Morrison, Tenn.—H. M. Stetzer, enlarging.

Sistersville, W. Va.—Thomas H. Hilton, one house.

Pawtucket, R. I.—M. J. Leach & Son, house 40 x 275.

New Hartford, Conn.—Mrs. Henry Brown, conservatory.

Canandaigua, N. Y.—Abraham C. Cappan, carnation house, 50 x 90 feet.

Berlin, Mass.—A. L. Brewer, house 35 x 100, King iron-frame construction.

Philadelphia, Pa.—J. Wolf Moore, 1639 North Broad street, house, 17x66 feet.

Woodhaven, L. I., N. Y.—John Reimels, house 28 x 100. King iron-frame construction.

Scranton, Pa.—Park department, conservatory 130 ft. long; presented to the city by Mr. John Cleland.

Middletown, R. I. (not Conn., as given in our last issue).—Stewart Ritchie, Green End avenue, one house.

PATENTS GRANTED.

950,639. Appliance for Training Pea Vines and Other Climbing Plants. Louis Petzler, Emerick, N. Y.

FIRE RECORD.

Newark, N. J.—Theo. Kemper, at Union & Lion Ave., damage, \$200.

Arlington, Mass.—W. D. Higgins is building a greenhouse. He will do business as the Arlington Gardens Co.

Madison, Wis.—The La Crosse Floral Co. will increase its capital stock from \$10,000 to \$25,000.

OUR**MARBLE LIMESTONE****(CALCITE)**

ground to 80 mesh, is the ideal form of lime for most soils.

Approved by all Experiment Stations. No discolors from its use and no bursting of bags.

CAN BE APPLIED AT ANY SEASON WITHOUT HARM TO GROWING CROPS.

The fine grinding insures quick results. We will accept orders NOW for delivery AFTER April 15th in the order of entry.

SEND FOR CIRCULAR.

GET YOUR ORDER IN EARLY

THE STEARNS LIME CO., Danbury, Conn.

In ordering goods please add "I saw it in HORTICULTURE."

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
1500 3 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
450 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.73	12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

POTASH

Potash has a direct relation to the increase in your bank account. It is like money put into a successful manufacturing plant. It pays dividends.

Potash produces more and better crops, and the difference between a good bank balance and none at all, frequently is—Potash

Potash Pays

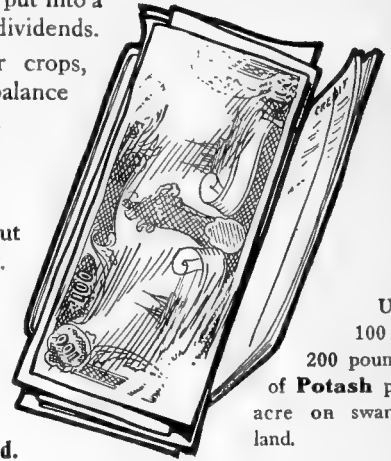
Potash isn't *all* there is to fertilizing, but it is so essential that you must consider it.

Urge your fertilizer dealer to carry Potash Salts in stock. He will have no trouble in buying them if he will write to us about it.

GERMAN KALI WORKS

Continental Building

Baltimore, Md.



Use
100 to
200 pounds
of Potash per
acre on swamp
land.

Violets and
Sweet Peas
A Specialty.

JOHN H. SLOCOMBE,
FLORIST,
555 Townsend Ave.

New Haven, Conn., March 7, 1910.

Aphine Mfg. Co., Madison, N. Y.
Gentlemen:—

After using your product for past three months find that it has effectively killed all the green and black fly on double and single violets in our houses—without injuring in the least the flowers, or even tender center leaves. We sprayed our young sweet pea vines, which were badly infested with green fly and that one application has cleaned out every aphid visible to date.

We have placed order for ten gallons Aphine with your local agents to keep on hand—as we cannot afford to be short should another crop of fly appear.

Your truly

J. H. SLOCOMBE.

See pages 397 and 401 for other Aphine endorsement.

New Chicago Sprayer

This sprayer is made of aluminum with two brass plates, one fine, one coarse. These are easily removed and quickly cleaned. Spraying face 4 1/2 inches wide, nozzle 6 1/2 inches long; 3/4 inch pipe connections. These sprayers will never wear out and are said by users to be the finest on the market.

Send to us for testimonials from growers using them.

Price \$2.50 Each

E. H. Hunt, 76-78 Wabash Ave.,
Chicago, Ill.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO.,

Zanesville, Ohio.

GREENHOUSE MATERIALS

Boilers, Pipe and Fittings

If you use anything along this line you should have our catalog and get our prices before you buy. We are in position to quote very attractive prices on this class of goods and can save you money no matter where you are located. Our catalog No. 5 tells all about boilers and greenhouse heating. You need it whether you are in the market now for a boiler or not. Catalog No. 6 contains 100 pages of information about pipe and fittings, valves, hose goods, radiators, etc. Get one of these and keep it handy. Then don't forget to send for Catalog No. 4—our greenhouse catalog. Our estimates on the construction material for any new houses you are going to build will interest you. Write today before you forget it. This advertisement will not appear again so send at once.

JOHN C. MONINGER COMPANY

910 Blackhawk Street : : : : CHICAGO

FOR "POT LUCK" TRY US...
HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.
 CAMBRIDGE, MASS.

452-460 No. Branch St.
 CHICAGO, ILL.

Pearson Street,
 LONG ISLAND CITY, N. Y.

IRON VASES



Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thousands in use.

Over 100 styles and sizes
 \$3.00 to \$75.00 each

Write for price list to

WALBRIDGE & CO.
 BUFFALO, N. Y.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

In ordering goods please add "I saw it in HORTICULTURE."

PLANT TUBS

Cedar or Cypress

Write us if you want the best,

DAVIS COOPERAGE COMPANY

Manufacturers

MARTINSVILLE, IND.

DREER'S

Florist Specialties
 KEYSTONE CEDAR
 PLANT TUBS



	Diam.	Each.	Doz.	100.
A 11 in.	.65	7 15	55.00	
B 12 1/2 "	.75	8 25	65.00	
C 13 1/2 "	.85	9 35	75.00	
D 14 1/2 "	1.00	11 00	90.00	
E 15 1/2 "	1.25	13 75	110.00	
F 16 1/2 "	1.50	16 50	130.00	

Three largest sizes have handles.

Special PAIL TUBS.

8 inches, .30 3 50 28.00

11 " .30 3 50 28.00

Painted Green

HENRY A. DREER

714 Chestnut Street
 PHILADELPHIA, PA.

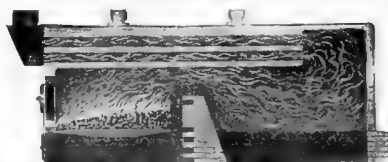
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 FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
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 NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Holds Glass Firmly
 See the Point **PEERLESS**
 FULL SIZE No. 2
 Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
 714 Chestnut St., Phila., Pa.

In ordering goods please add "I saw it in HORTICULTURE."

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space In Front, Sides and Back
The Most Popular Boiler Made

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KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

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Material and Plans
for any size and style of
GREENHOUSE

for new structure or repairs.

Hot Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.
CHICAGO, - - ILL.



The Advance Ventilating Machine

Have you been looking for a Ventilating Machine? Here is one of the highest quality and has been proved to be the best. It is sold at a reasonable price and it excels all others in its ease of operation. Write for reasons why this machine becomes a favorite wherever it goes. Every user is an advertiser, for every user is perfectly satisfied with our line.

The Advance Co.
RICHMOND, IND.

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Send your business direct to Washington
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

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PATENT LAWYERS

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FLORICULTURE

Complete Home Study Course in practical Floriculture under Prof. Craig and Prof. Batchelder of Cornell University

Course includes greenhouse construction and Management and the growing of Small Fruits and Vegetables as well as Flower Under Glass

Personal Instructions Expert Advice

260 PAGE CATALOGUE FREE WRITE TO DAY

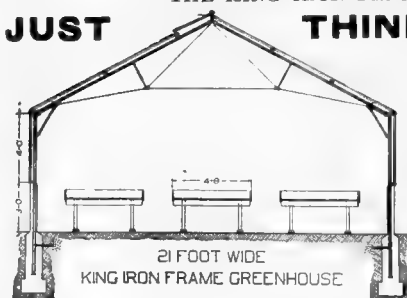
The HOME CORRESPONDENCE SCHOOL
Dept. H F., Springfield, Mass

"ASK THE MAN WHO HAS ONE"

"THE KING IRON FRAME House has made good."

JUST

THINK WHAT IT MEANS



21 FOOT WIDE
KING IRON FRAME GREENHOUSE

Easiest to Erect

KING CONSTRUCTION CO.,

42' 0" HOUSE STANDS
"LIKE A STONE WALL"
IN 70 MILE GALE

P. & W. O. JAHN,
House 42 x 130

E. Bridgewater,
Mass.

S. J. GODDARD,
House 35 x 134

S. Framingham,
Mass.

CARL JURGENS,
4 Houses 28 x 200

Newport,
R. I.

NORTH TONAWANDA, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS

IF IN NEED OF ANY

WHY HESITATE ABOUT BUYING?

PERHAPS YOU PREFER TO PAY MORE.
DO NOT BE MISTAKEN, BUY NOW.

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

20 to 22 Canal Street

CYPRESS SASH BARS
32 feet or longer
HOT BED SASH
PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

LET US QUOTE YOU ON NEW
AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.

1392-1414 Metropolitan Ave., Brooklyn N. Y.

The FLORISTS' HAIL ASSOCIATION
OF AMERICA, Insurer of \$2,500,000
sq. ft. of glass. For particulars address
John C. Esler, Sec'y, Saddle River, N. J.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

Second Hand

Suitable for all greenhouse purposes,
steam, water, gas or oil, also for
fences or posts. All sizes. Prices low.

BUXTON, DOANE CO.

16 Midway St., Boston, Mass.

Telephone, Fort Hill 2475

The Castle Automatic Circulator

The Summit of Perfection. No Device has ever been invented for Forced Hot Water Circulation which will do what this little machine accomplishes, for Economy in First Cost or in Operation.

Requires no Supervision or Manual Manipulation.

Prices and Discounts on Automatic Circulator, several sizes, with or without Motors, also Testimonials from Large Greenhouse Establishments, east or west, furnished on Application.

While the method of producing a forced circulation of liquids is the same as in the Original Electric Circulator, some modifications in construction which we consider to be of vital importance are made.



The great improvement of its being equipped with a valve which requires **no manual manipulation to change** from forced to gravity circulation will be at once recognized as extremely valuable.

"They have more than met my expectations"

Irvington, N. J., February 9, 1910.

Messrs. Wm. W. Castle Co.,
170 Summer St., Boston, Mass.

Dear Sirs,

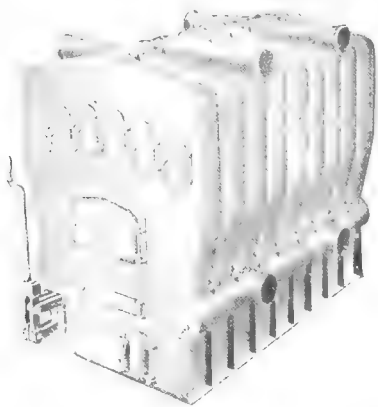
Answering your inquiry with reference to the two Automatic Circulators furnished by you, I would say that they have more than met my expectations. While the makers of my Boilers advised me that, with the additions I had made, I could not heat the range with the Boiler power I had, I have found with the Circulators that I have been able to maintain temperatures in the houses in the most severe weather, and by their use I have made a saving of 25 per cent. in my coal bills. I have found that there is but five degrees difference in temperature of the flows as compared with the returns (at the Boilers) when the Circulators are running. As already informed you, I have no trouble taking care of the entire range, about 70,000 feet of glass, with the two Circulators.

Very truly yours,

(Signed) E. W. FENGAR.

The above is but one of many high commendations which we have received and are constantly receiving as to the efficiency and economy of this apparatus.

W. W. Castle Company
170 Summer St., Boston



For the Man Who Counts the Pennies Saved and the Dollars Earned

If a boiler saves you money then it makes you money. Here is a boiler that was especially constructed to meet the demands of greenhouse heating. Particular attention was given to not alone its economy in coal, but also to the rapidity of circulation it would induce in the coils - and it's circulation that counts.

Being cast in sections, it is easy to erect, easy to enlarge. Send for catalog.

Hitchings & Company

Designing & Sales Offices
1170 Broadway, N.Y.

General Offices & Factory
Elizabeth, N.J.



A Mighty Good Little Layout

Perchance some such arrangement may be just the thing for you. In this case the space was limited so the work room and greenhouse were attached directly to the stable, and the heating plant put in its basement.

The greenhouse is 33 feet long and 18 wide, with seven heated frames at the south side.

The construction is our Sectional Iron Frame which at once fixes it in your mind as an extremely light, enduring house.

If you want us to, we can give you by return mail, an approximate estimate of what a duplicate of this house would cost.

Lord & Burnham Co.

Irvington, N. Y.

New York
St. James Bldg.

Boston
Tremont Bldg.

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HORTICULTURE

Vol. XI.

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No. 12



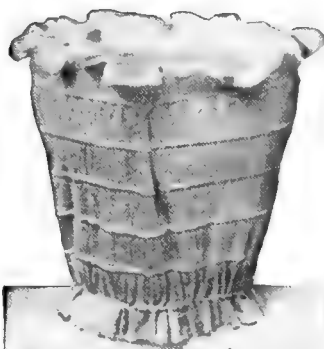
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Plant Novelties From China

Rubus is a vast and cosmopolitan genus containing a large number of species of use and value to mankind. The species exhibit considerable variety (probably hybridizing freely among themselves) and the genus is a particularly troublesome one from the point of view of the systematic botanist. In China over a hundred species occur and, curiously enough, the majority are "fixed" and easily distinguished. Indeed, though the genus is so largely concentrated in China the species present fewer difficulties and are more readily distinguished than those of other lands.

The Chinese brambles include quite a number of ornamental and useful species though the bulk are of course more fitted for Arboretum and Botanic garden than elsewhere. In *R. flagelliflorus* and *R. Bambusarum* we have two species distinct in habit and general appearance from all others and extremely ornamental pillar plants. The first-named is a woodland species with simple, cordate, pointed leaves dark, velvety green above and covered on the underside with a dun-colored felt. The branches are long, slender and whip-like giving the plant a very graceful appearance.



VITIS ARMATA VAR. *VEITCHII*
Cultivated in Coombe Wood Nursery.



RUBUS FLAGELLIFLORUS
As cultivated by Messrs. Veitch.

R. Bambusarum is a denizen of thickets and has slender, horizontally spreading and arching branches. The leaves are trifoliolate with narrow, lance-shaped leaflets, dark green above, grey below. The flowers in both species are inconspicuous, the fruits black, edible but of indifferent flavor.

R. Henryi is another good bramble similar in habit to *R. Bambusarum* but with trifid instead of trifoliolate leaves.

R. coreanus is a strong-growing species with pinnate, shining, metallic green leaves and white stems. In winter the white, waxy bloom on the stems is very strongly developed making the plant particularly attractive and conspicuous.

R. lasiostylus is another bramble having white and ornamental stems. This species is also a strong grower with pinnate leaves. The fruits are large, woolly in appearance but of good flavor. The stems in addition to being white are densely clothed with bristly hairs.

R. irenaeus and *R. polytrichus* are prostrate growing woodland brambles suitable for planting under trees or on rockeries. The first-named has broadly-reniform leaves, dark green, smooth above, dun-colored below and prominent stipules. *R. polytrichus* has ovate, pointed leaves and shoots covered with orange-yellow, bristly hairs. Both species are small growing with large, white, axillary flowers and red fruits.

As species worth cultivating for their fruits and as possible forerunners of a new race *R. innominatus* and *R. corchorifolius* are strongly recommended. The first-named is a erect-growing and very ordinary looking bramble with pinnately three to five-foliolate leaves, grey-green in appearance, covered on underside and also the stems with soft hairs. The flowers are pinkish and inconspicuous, produced in August in terminal thyrsoid panicles 20 to 30 inches long. The berries are of good size, orange-red and of an agreeable sub-acid flavor.

R. corchorifolius, the jute-leaved bramble, is a very different looking species with small, ovate, simple leaves (trifid on young shoots) and white flowers opening as the leaves unfold. The berries are oval, of good size, orange-red and of a rich and sweet vinous flavor. The fruits are usually solitary and possess the finest flavor of any Chinese bramble known to the writer.

There are quite a number of other Chinese brambles well worthy of culture and the above may serve as a sort of introductory selection to the class as a whole.

One of the great horticultural assets resulting from recent work in China is the number of new, distinct and ornamental species of *Vitis* discovered and introduced into cultivation. In China forty or more species of *Vitis* occur wild. The true grape (*V. vinifera*) is cultivated in a few localities and is very probably a genuine native of China also. Several species, for example, *V. armata*, *V. Romaneti*, *V. flexuosa* and *V. sinensis*, have edible fruits of fair size and flavor and may be useful to the hybridist. Nearly all have decided horticultural merit and the majority are well worthy of cultivation. Although useful in a variety of ways these new introductions are most effective and ornamental when grown as pillar plants and trained to stout poles. To obtain the best foliage and effect these plants should be pruned hard back in March and the young shoots as they develop neatly tied to the poles. When used to cover pergolas or, when planted at foot of trees, less pruning is required.

Botanists divide "Vitis" up into several genera but for the purpose of this article they may all be conveniently grouped under the one head.

One of the finest of these new *Vitis* is *V. armata*, a species growing 20 feet tall, with glaucous, prickly stems and large, cordate leaves of much substance, deep green with metallic lustre above and somewhat glaucous below. The fruits are globose, black, of good size and flavor. The varieties "Veitchii" and "Wilsonae" are forms of superlative merit having even bolder foliage than the type and more brilliant autumnal tints of yellow, orange and bronze, passing to the richest shade of red and crimson.

V. sinensis is a strong growing species with very variable foliage covered with grey, woolly hairs more especially on underside. These leaves are more or less reniforme-cordate in shape, either simple, variously incised, or trifoliate.

V. flexuosa var. *Wilsoni* is a small growing species five to six feet tall, with neat foliage, shining, metallic green above and bright purple below when young. This is really a charming vine but, unfortunately, of a more delicate constitution than many of the others.

V. repens is another strong-growing species with smooth, broadly cordate, trilobed leaves on long reddish petioles.

Very different in appearance to the ordinary species of *Vitis* are *V. leucoides* and *V. megalophylla*. The first-named is a comparatively dwarf-growing vine six to ten feet tall with pinnate leaves one to one and a half feet long. The leaflets are glabrous, dark, glossy green above and deep claret-purple below. This *Vitis* resem-



VITIS HENRYANA

bles the genus *Leea* in foliage and is quite distinct in every way from any other species.

V. megalophylla is a wonderful species with much-divided leaves resembling those of *Aralia spinosa* and two to three feet across. These leaves are dark green above, pale and somewhat glaucous below and glabrous. This species is native of woodlands where it forms a huge climber scaling to the tops of tall trees. It grows 10 to 15 feet in a single season and should be hard pruned annually. Though it assumes no brilliant tints

in autumn its strikingly handsome and altogether remarkable foliage makes it one of the most desirable of all climbers for pillar work.

V. Thomsoni is a small growing species six to eight feet tall with digitately five-foliolate leaves greenish-purple above, bright claret color below. In autumn the foliage changes to lovely shades of reddish purple and is then frequently glaucescent below.

V. Henryana is another small growing species and is perhaps the most attractive of its set. The foliage is digitately five-foliolate with lanceolate-ovate to obovate, toothed leaflets, dark, velvety green with midrib and secondary veins silvery white. This variegation is more pronounced in the fall when the ground color of the leaves changes to varying shades of red whilst the veins retain their silvery appearance. In its adult (fruiting) stage this plant loses its variegation to a large extent and presents quite a different appearance in general.

V. Henryana is a self-clinging species and though not so hardy as the more vigorous growing kinds should be cultivated by all. It is a splendid subject for pot-culture or a cold greenhouse when it retains its brilliantly colored foliage practically throughout the winter.

S. W. Wilson.

Calceolaria

In a recent number of *HORTICULTURE* there was published a Preliminary Schedule of Prizes for the National Show to be held, I believe, in the latter part of March, 1911, and among the many excellent classes provided Calceolarias were included. March as a rule is considered early to have these useful and beautiful plants in flower, but if the herbaceous hybrids are sown early, say the end of that month or early in April, they can be flowered in the latter part of the following March. I may here say that plants raised from cuttings will flower earlier than those produced from seeds, but this method of reproduction is not often practiced in this section, although we have raised excellent plants from cuttings. We have experimented a little with early and late sown batches and have invariably found that those sown the last week in March or early in April, will give better results than those sown later in the season. The early sown ones being stronger when the hot months arrive, give less trouble to coax them through that period, and when flowering time arrives a much larger plant, if desired, can be secured. A good plan to prevent damping off during the hot months is when watering the plants to do it thoroughly and immediately dust them over with powdered charcoal and not to water again until the soil begins to have a dusty appearance, which can be found out by rubbing the surface of a pot or two with the finger, or a piece of pointed stick.

The shrubby calceolarias commonly grown for pot plants around here are varieties of, or hybrids obtained from *C. rugosa* (syn. with *C. integrifolia*). Golden Gem is probably the best known in this section. Cuttings are the easiest way to raise them, which can be

secured from plants that are pinched into shape during the fall and early spring. These plants are generally flowered by the trade for Memorial Day, but they can be had in bloom the last of March, if desired for Easter use, by growing spring-rooted cuttings right along until August, giving them their last pinching in that month, and if Easter is to be in April the last stopping may be done in September. This section of calceolaria is largely used as bedding plants in Europe, but they are not a success around Boston as far as I have seen. I am told, however, they do well at Bar Harbor, Me.

For seedlings a good compost is equal parts of osmunda fibre, sharp sand and charcoal, ground through a fine sieve. Put about an inch of this material in a well-crooked seed pan, level the surface, scatter the seeds thinly and evenly and cover them as lightly as possible with finely sifted sphagnum moss. Water by dipping the seed pan in a tank of water, allowing it to soak through the holes in the bottom of the pan. A temperature of sixty degrees will germinate the seeds, but do not allow the sun to get at them until the cool nights in the fall. From the end of September until March they will stand the full sun, and should be grown in a temperature of 40 degrees at night and 50 to 65 degrees



Photo by H. R. Werdmiller

HOUSE OF CALCEOLARIAS

during the day. Through the summer, a house facing north is the best place for them, giving all the air possible.

For a first potting the same mixture as the seeds were sown in is the best, and as the plants are shifted into larger pots equal parts of fibry loam, fern root, sand, leaf mold and dried cow manure may be used always having the compost as rough as can be packed equally around the plant. When the plants are well established in their flowering pots and begin to show signs of setting for flowering, they may be watered with manure water until the blooms begin to show color. A good mixture is a half bucket of green cow manure, and a half pail of soft coal soot to fifty gallons of water applied alternately with clean water. To keep green and white fly in check use the formula described in my article on *Cineraria*, always taking care that the foliage is perfectly dry, and in the hot months of summer an hour's exposure to the gas is long enough.

George F. Stewart.

West Medford, Mass.

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that makes for prosperity in an organized capacity, the most useful and influential gathering of professional rose growers ever brought together in this country. The present opportunity for reaching and focusing the attention of a refined and affluent community on the radiant product of the rose grower certainly has never been surpassed.

Two problems intimately related to the prosperity of the flower industry have been referred to in these columns on a number of occasions of late, in the desire to properly fulfil our duty as a journal devoted to the welfare of the profession. We mean the artificial flower craze and the backwardness of the florists as a class in adopting modern ways and means of business exploitation. These questions are closely allied to each other as both are to the subject we considered last week—that of the lack of stability in the wholesale values of the flower product and the extreme and unhealthy variation in prices in different centres at one and the same time. It is our conviction that the subject broadly comprising these topics is one the urgency of which the clubs, societies and associations will be obliged to recognize and take up in a vigorous and comprehensive way before long. The organizations have done a world of education on social and cultural lines. They have brought the workers, isolated before, into amicable relationship and are to be credited with a large share of the prodigious advancement in the art and science of plant development and cultural methods under glass which fills so illustrious a page in the history of American floriculture for three decades. Now the horizon widens and there spreads out before the S. A. F. and her numerous kin a vast field hitherto almost untouched, and insistently demanding strenuous attention. We must have a bigger and better market for the products of our industry. Salesmanship in the flower business is as yet in its infancy.

To attempt proper inspection of nursery stock at ports of entry as provided in the Simmons Bill, H. R. 15656, which is now before the House Committee on Agriculture at Washington would be to undertake an impossible task and would entail extended delay and practical ruin of the goods. It is stated that the arrivals of French nursery stock at the port of New York for the last eleven days of January—a fair average of the past three months—amounted to 1375 cases, containing an approximate total of 17,000,000 seedlings, having a value of about \$100,000 including about \$26,000 paid to the United States Government in import duties. The goods are almost exclusively raw material for nurserymen, which cannot—at least under present conditions—be produced in this country. The seedlings are packed tightly by special machinery and their proper examination and repacking would be a manifest impossibility. The American Association of Nurserymen fully realize the necessity for and cordially approve of the effort to guard against the introduction to this country of insect and other plant pests. They have prepared a bill which provides full protection while it is free from the serious defects of the proposed Simmons act and it would seem only just and reasonable that they be given an opportunity to have it considered by the House Committee as a possible substitute for the Simmons bill. Readers of this paper can render no better immediate service to the nursery industry than to express their disapproval of the Simmons Bill, urging the substitution of the Nurserymen's Bill or that otherwise an adverse report be made.

The assembling
of the roses

As we close our forms the devotees of the Queen of Flowers are in the midst of their annual celebration and the public of the great city are doing homage to the grace and beauty of the first and fairest of the floral kingdom. We expect that, after the returns are all in and the complete story of this occasion is told, it will transpire that the present is, in all

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Cobaea.

As a very fast growing climber for covering the exterior of dwellings, summer houses, stumps of trees, and the weather-beaten sides of old houses, there is nothing better for quick effect than *Cobaea scandens*. Seed can be sown any time now. Sow in flats of light sandy soil and keep in a warm house, say about 60 degrees. Place the seeds edgewise in the flat, just so the edge of the seed is even with the surface. When they show their true leaves they can be potted off into 2 or 2½-inch pots, and in a short time they will be ready for a shift into 4-inch pots. Put a stake about two feet high to each one so they will not get entangled with one another.

Time to Propagate.

Those who wisely manage their propagation already have the largest and main part of this work done. As the season advances the reverse of favorable conditions for propagation of most plants will confront you. There is ample time for the growing of good plants of most varieties, and if you have not the required number, or are in doubt, get another batch of cuttings in as soon as possible of such plants as chrysanthemums, coleus, ageratum, achyranthes, santolina, lemon verbena, heliotrope, lantana, German ivy, and petunias—in fact, all that class of plants they may enter into your spring trade. They will not need to be handled till after the Easter rush, when you will have bench room available.

Handling of Seedlings.

Good ventilation is the chief essential in promoting and maintaining healthy growth of young seedlings. Air must be admitted with caution. All cold currents sweeping over the young plants must be eliminated by proper regulation. When the seedlings show above the ground—which will be from two to twenty days with most varieties, although there are a few that take three or four weeks to germinate—they should be exposed to all the light possible. They will need constant watching and careful watering to guard against any excess of dry or too wet, which may mean the loss of some valuable stock. As soon as seedlings show the character leaf they should be transplanted into flats. Give them plenty of room; you will have stouter and better stock that can remain in the boxes until they are of a suitable size for small pots, hot-beds, or frames. Sow seeds of asters, balsams, browallias, celosias, coreopsis, marigolds, petunias, ricinus, phloxes, scabiosas, stocks of all kinds, tropaeolum and zinnias and many others.

Plants for Vases.

The florist who does a general retail plant business, adjacent to town or near some leading cemetery, will have many vases to fill. Much depends upon the plants used. Vases are sometimes in an exposed situation, while others are in a shady position, and for this reason you should select plants that will not suffer in either. Where the vases are to be exposed to the sun the following named plants will be found very satisfactory. For the cen-

ter, *Dracaena indivisa*, *Chamaerops humilis*, or any of the Phoenix family; to fill the remainder of the vase, geraniums, coleus, *Centaurea gymnocarpa*, *Begonia Vernon*, petunias, ageratum and achyranthes will give a fine color combination; for trailers *Vinca major variegata*, *Solanum jasminoides*, *Abutilon vexillarium*, nasturtiums, verbenas, German ivy, and ivy-leaved geraniums and many others. If the vases are required for a shaded situation, the centers can be made up of any of the following: *Latania borbonica*, *Areca lutescens*, kentis or *Ficus elastica* and for the remainder use fuchsias, begonias, small plants of *Ficus elastica*, aspidistras and ferns. Among the trailing plants are tradescantias, selaginellas, Kenilworth ivy and German ivy. Where you have such a trade it would be wise to work up such stock as you will need in this line.



EDWARD HATCH.

Caladium esculentum.

You can start roots of this subtropical plant any time during the month of March. To make them break well a moist brisk heat is desired. Place them on a bench where there is bottom heat and pack closely between the roots with moss, leaf-mold or sand. You can keep them much more moist than cannas. They can also be started in flats 3 inches deep; placing the bulbs quite close, almost touching and filling all around the same as if placed on a bench and after watering place them on the hot water pipes. When they have made a growth of four or five inches they can be potted into five or six-inch pots using any good soil.

Sweet Peas for Outside.

The grower who prepared his land last fall by heavily manuring and deep plowing has the advantage over others who have this yet to do. Early sowing is of the utmost importance. Sweet peas should be the first thing to go into the open ground. As soon as the upper six or eight inches of the surface can be worked they should be sown. It is very important that most of the growth may be made in the cool, damp weather of the first part of

the season. They require an abundance of potash, in order to produce strong vigorous stems, and I think unleached hard wood ashes affords the best and cheapest form in which to supply this element of plant food. Fine ground bone is an excellent source of nitrogen and phosphoric acid, which is needed to enlarge and perfect the flowers. The rows, if possible, should run north and south and be at least four feet apart. Scatter the seeds somewhat broadly in furrows from 6 to 8 inches deep and cover with two inches of fine soil. After the plants have come to the surface, hoe or cultivate about them frequently and use small amounts of nitrate of soda to stimulate early development and flowering. Keep gradually drawing in the soil until the trenches are filled. A mulch of partly decayed manure will prevent rapid drying about the roots.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on *Asparagus plumosus nanus*, *Calanthes*, *Dracaena indivisa*, *Euphorbia fulgens*, *Shading*, *Swainsonas*.

OBITUARY.

Edward Hatch.

Edward Hatch, beloved treasurer of the Gardeners' and Florists' Club of Boston, and prince of good fellows, has passed on into the great beyond. The news will bring a pang of profoundest sorrow to many hearts, for few there are, or have been, among us who have given so much time and thought in the effort to make others happy as generous-hearted Ed Hatch has been continuously doing for the past thirty years. A business man in the strictest sense of the word, he has been a bulwark of strength to the Gardeners' and Florists' Club of Boston, conserving its resources with wisdom and untiring zeal, and ready at all times to give encouragement and substantial aid towards any of its philanthropic efforts, notably the landscape gardening class. He was passionately fond of flowers and it only needed the incident of his being called upon to officiate as plant auctioneer in the early days of that industry to kindle within him a love for the society of florists and gardeners and cause him to open his heart to the active spirits in that profession with a cordiality exceeding even that extended to his direct business associates.

Mr. Hatch has been in failing health for a year and a half and his death took place on Friday, March 10, at Columbia, S. C., whither he had gone in the hope of finding in that climate needed vigor. The funeral took place from his residence, 328 Commonwealth avenue, Boston, on Wednesday, March 16.

Mr. Hatch was prominently connected with large mercantile interests and with the club and social life of Boston and suburbs.

Frederick J. Broetje.

Frederick J. Broetje, a well-known resident of Mount Tabor, Ore., died March 4 at his home, 31 East 61st street, at the age of 49 years. He had lived in Mount Tabor for the past twenty-six years. He is survived by a widow and five sons.

AMERICAN ROSE SOCIETY

Annual Meeting and Exhibition

The Annual Meeting and Exhibition of the American Rose Society, at the American Museum of Natural History, New York city, drew together a very large and representative attendance of rose growers and others from far and near. The opening session of the Society was to have been held on Wednesday evening, 16th, but the program was not adhered to, and the meeting was postponed until Thursday forenoon. There was much to occupy the time of the members, however, in exchanging mutual greetings and inspecting the exhibition which, while not so extensive as had been expected, was made up of goods of the highest quality. The judges were busy all the afternoon and we append the prize awards so far as decided upon up to time of this report.

PRIZES AWARDED.

Division A.

Breitmeyer prize for best display of hardy roses in bloom, won by H. C. Steinhoff. Mr. Steinhoff also won the Welch Bros.' prize for collection of hybrid perpetuals, first on six climbing roses, six roses not climbing, twelve Baby Ramblers, specimen in pot or tub, specimen Crimson Rambler, specimen Dorothy Perkins, and, second J. N. May prize for collection of teas and hybrid teas. Julius Roehrs Company won first for Lady Gay specimen, Hiawatha specimen, and second for six climbing roses and Dorothy Perkins specimen.

Division B, Open to All.

A. T. Boddington prize for 25 American Beauty blooms, Brant Hentz Co., first; Gude Bros., second. A. H. Langjahr prize for Bride; Poehlmann Bros., first; L. B. Coddington, second. L. B. Coddington prize for My Maryland, J. W. Young, first; A. Behre, second. W. F. Sheridan prize for Killarney, J. W. Young, first; W. G. Badgley, second. W. G. Badgley prize for Richmond, A. Farenwald, first; Ed. Towell, second. Robert Simpson prize for largest and best collection of teas and hybrid teas, Gude Bros., first. First prize winners in the general classes in this division were H. Hentz, Jr., for Bridesmaid; Robert Scott & Son, for Kaiserin Augusta Victoria, Wm. Gregor, for Mrs. Jardine; Robert Simpson, for Mme. Abel Chatenay; U. S. Cut Flower Co., for Ivory; Benj. Dorrance, for Sunrise; Gude Bros., for Wellesley, F. R. Pierson Co., for White Killarney; Robert Simpson, for Enchanter.

In Division B, open to private gardeners and amateurs only, there was neither competition nor interest. William Hastings was first on Bridesmaid and Richmond.

Divisions D and E—hybrid perpetuals, were entirely ignored by the exhibitors.

Division F, Specials.

The Dorrance challenge trophy for largest and best collection of cut roses was won by Benj. Dorrance. The Poehlmann Bros.' prizes for fifty White Killarney were won by F. R. Pierson Co., first, and Waban Rose Conserva-

tories second. The H. E. Froment prize for fifty Richmond, won by A. Farenwald. There were thirteen entries for the Moore, Hentz & Nash \$50.00 cup for six roses, and the Elmira Cut Flower Company was the lucky winner. The A. J. Guttman special was won by W. G. Badgley.

Horticultural Society of New York Prizes.

The R. & J. Farquhar silver cup for twenty cyclamen plants was won by James Stuart. Mr. Stuart also won first on specimen cyclamen and Mrs. H. Seigel, second. Six plants of rhododendrons, first, Samuel Untermeyer, gardener W. H. Waite. Six Schizanthus, Samuel Untermeyer.

The orchid display in this section was very fine. For best display Lager & Hurrell were first; second, Julius Roehrs Co. Cattleya Trianae specimen, W. A. Manda, first; Julius Roehrs Co., second. Cattleya Schroderal, ditto, ditto. Display of Cypripediums, Lager & Hurrell. Dendrobium nobile specimen, W. A. Manda, first; Lager & Hurrell, second. Cattleya specimen, Clement Moore, first; Lager & Hurrell, second. Dendrobium Wardianum specimen, W. A. Manda, first; Julius Roehrs, second. In the palms and other foliage plant displays, F. R. Pierson Co., and Julius Roehrs Co., were the main contributors. Messrs. Roehrs won first on group of bay trees, silver medal for display of crotons, and silver medal for display of stove and greenhouse plants all being superb examples of good culture. F. R. Pierson Co. were first on Nephrolepis Bostoniensis, N. elegantissima, N. Scotti, N. Piersoni, and for the largest and best specimen Nephrolepis.

Among the exhibits not for competition we mention the following: John Lewis Childs, Calla Elliotiana. Julius Roehrs Co., group of new Croton F. Sander. H. C. Steinhoff, group of Formosa lilies. A. N. Pierson Company, Adiantum Farleyense, lily of the valley, roses White Killarney, Pink Killarney and My Maryland. Thos. De Voy's Sons, new violet, Marie Elise, sport of Marie Louise. Cottage Gardens Co., carnations Mrs. C. W. Ward, Alma Ward and seedling 405.

THE OPENING SESSION.

The opening session on Thursday was called to order by President Poehlmann, who proceeded to read his annual address. Then followed the report of Secretary Hammond, as follows:

Secretary Hammond's Report, 1910.

The records of the year show that the American Rose Society blooms and grows in strength and influence. The idea "A Rose for every Home, a Bush for every Garden." takes hold. During the past twelve months there has come to hand more inquiry for information than ever before, and the weakest point in the organization is the lack of a quarterly publication absolutely its own, that may be sent to every member and to kindred societies. In my opinion, until this is done the membership will continue restricted.

The interest and fame of the Rose Society surely is increased by the judicious use of its medals. These afford much pleasure and are not bestowed loosely. They carry with them esteem, and when given for good work in home gardens, in the communities where local interest is taken, stir up a lot of earnestness in rose planting. The annual bulletin was issued for 1909, being sent to every member and filed up in many libraries and is called for by horticultural societies.

The last year, our life membership fund has passed the \$3,000 mark. We hope to see it get to \$30,000, and take much pleasure in enrolling more in the life membership, as this insures permanency. The income has been above its regular outgo, but that is not saying much, because the prizes offered regularly each year run up to quite a sum and a year ago a number of gentlemen made up this amount separate from other support.

The exhibition in the city of Buffalo was so well attended by visitors, who after the first day came in such numbers that four gentlemen from the police force assisted in piloting the crowd, which comprised people who were greatly pleased with the show and several joined as associate members.

This year we meet in the most congested city on the continent, in which there is no room for home gardens, but whose taste and appreciation for things beautiful and lovely is so great that it is the best flower market we have. Therefore under the sheltering wings of the Horticultural Society of New York, we make a spread without money and without price, of choice and lovely roses for whosoever will, to admire and to profit by. The florists and the gardeners who thus show their products deserve well of all who are thus entertained.

Our thanks are due to the trustees and others connected with this hall for many gracious attentions. The society owes much especially to ex-President Simpson, Messrs. H. O. May, F. R. Pierson and the executive committee for detail work in doing the many things required for such an exhibition.

The State Florists' Association of Indiana have filed a request for the annual exhibition to go to Indianapolis in 1912, the year following the great National Flower Show is to be held in the city of Boston.

Treasurer's Report.

Treasurer H. O. May presented his annual report, of which the following is a summary:

Annual report of the Treasurer of the American Rose Society:

Receipts	\$4 524.32
Disbursements	3,902.13
Balance	\$622.19
Permanent Fund	\$3,050.
Hubbard Medal Fund	250.

HARRY O. MAY, Treasurer.

The rest of the proceedings of the Society and account of the banquet given by the New York Florists' Club will appear in our issue of next week.

Personal

Thomas W. Head, of Groton, Conn., is at the Bellevue Hotel, Belleair, Florida, for a week.

Mansfield, Ohio.—Albert Helbrook, formerly of Columbus, is now with the Berno Floral Co.

Davenport, Ia.—Edward Patton has accepted a position with Ludwig Stapp. He was formerly gardener for Miss Woltmann.

Lenox, Mass.—Robert MacConnachie, gardener for Mr. A. Kneeland, was married March 11 to Miss Margaret Williams.

Wm. B. Jones, formerly head gardener for T. L. Manson, East Hampton, L. I., has taken charge of A. B. Boardman's estate at Southampton, L. I.

Van Wert, Ohio.—C. H. Trefflinger has resigned his position at the McConahy greenhouse and has gone to Spartanburg, S. C., to accept a similar position.

Waverley, Mass.—Wm. S. Grassie, who has been with the Harvard Botanic Garden for three years, has bought several acres of land in Waverley and will build a range of houses and grow for the market.

George C. Butler, for the past eight years gardener to Hon. W. A. L. Bazeley, of Uxbridge, Mass., has resigned and has accepted a position as superintendent of the Messrs. Wells' estate at Southbridge. Thomas Houlihan has succeeded him in Uxbridge.

Visitors in Boston: H. Suzuki, Yokohama, Japan; A. Kakuda, New York; Samuel Parsons, New York; C. C. Laney, Rochester, N. Y.; H. S. De Forest, New York; P. M. Read, New York; C. B. Weathered, New York; J. S. Hay, of Dreer's, Philadelphia; Robert Miller, Cromwell, Conn.

CONSTRUCTING HOTBEDS.

To the experienced private or market gardener the hotbed is a very essential adjunct. Necessarily the expense may not be very large, as a cheaply constructed frame and sash may be made to answer a very good purpose; but a well-constructed frame and good glazed sash, if properly taken care of, are the cheapest in the end. The manure may be taken for other purposes after being used in the bed, and being well decomposed is admirably fitted for other crops. Frames constructed of good plank, and as often recommended, with iron loops on the ends of the sides, to pass through mortices in end pieces at the corners, and fastened by inserting keys through the loops will make the most convenient ones, as they may be readily taken apart when through with for the season, and packed away so as to occupy but little space. Sash 3 x 6 feet are about as handy as any size.

In constructing the bed I prefer to

excavate a pit about a foot larger on every side than the frame, and some five or six inches deep. Fill this and raise about two feet above the surface with manure, and on this place the frame and bank up with earth, covering the manure five or six feet deep outside the frame; place the sash on and let the manure steam. When the heat has subsided to about 90 degrees—it will go to 100 degrees or more—spread on five or six inches of fine, rich garden mould well filled with vegetable matter, and in this after warming up, sow your seed in drills running from back to front side of bed. The bed should face the south to receive the full benefit of the sun's rays. Beginners are too apt to sow their seed in the hotbed before the heat begins

to subside, and thus lose them. It is needless to state that horse stable manure, plentifully supplied with strawy litter is commonly used, as this is of a quicker nature than other animal manure. Care must be taken when forming the bed that it is beaten well down with the fork, and packed so as to keep an even surface when the bed settles, as settle it will, after heating a while.

The large variety of plants that the hotbed is useful in starting or forwarding early in the season needs no repetition here, but for all that requires a long season, it is almost indispensable. March is the proper time for making up the hotbed, as a general thing, in this latitude.

RICHARD J. HAYDEN.

EASTER PLANTS

	Each
RAMBLER ROSES in Six Varieties, .	50c to \$7.50
ACACIAS	75c to 5.00
BOUGAINVILLEAS	75c to 4.00
HYDRANGEAS, White and pink . .	50c to 5.00
GENISTAS	50c to 4.00
AZALEAS	50c to 5.00
MARGUERITES	50c to 1.25
HEATHS	50c to 1.00

etc., etc., etc.

LILIES, 12 1-2c per bud and flower

LORRAINE BEGONIAS

Young leaf stock, ready for delivery from May 25 on.

\$15.00 per 100. \$145.00 per 1000

Come and see for yourselves. Visitors always welcome. Only 40 minutes from North Station, Boston.

... Send for Time Table ...

THOMAS ROLAND

Nahant, Mass

NEWS OF THE CLUBS AND SOCIETIES

MORRIS COUNTY (N. J.) GARDENERS' AND FLORISTS' SOCIETY.

Annual Carnation night, March 9th, was a very interesting affair. Not so many new soldiers in the field as we would like to have had. There were some good recruits there, though, and the old veteran varieties did great credit to themselves, too.

From E. L. Enggren, Aqueduct, L. I., there was a grand vase of a new seedling; color, cerise pink, fine stem and erect flower. Mr. Enggren, who was present claims it to be a great cropper. If this quality should be fixed, it ought to be a fine addition to our list. A certificate of merit was awarded. From Henry Eichholz, Waynesboro, Pa., Princess Charming, certificate of merit. From same grower, Washington, honorable mention. Chicago Carnation Co., Joliet, Ill., Conquest and Mary Tolman; unfortunately arrived in poor condition. Mr. Enggren spoke for these two varieties as seen by him at Pittsburg, saying that both varieties showed well there. Cottage Gardens Co. sent Alma Ward and Mrs. C. W. Ward. John Downing, Morris Plains, N. J., had a magnificent vase of Winsor, which was awarded cultural certificate. Wm. H. Duckham had a peerless exhibit of Craig, Bay State, Enchantress and Rose Pink Enchantress. Cultural certificate.

A general discussion on the carnation then took place. Mr. Enggren gave us a nice little talk; so did Messrs. Duckham, Herrington and Totty and many others.

April 11th will be "Rose Night." We have always had a fine exhibition heretofore, and we hope this one will be up to the standard. The rose thrives around here. We are hoping to get some new ones that we hear are around. Everybody likes novelties.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE, MD.

At the annual meeting of the Gardeners' and Florists' Club of Baltimore, this week, the following named officers were elected for the ensuing year: President, Geo. Morrison; vice-president, Wm. Christie; secretary, Noah F. Flitton; treasurer, Fred G. Burger; financial secretary, Geo. Talbot; librarian, Chas. M. Wagner.

The club is in fine financial condition and added many new members to their roll the past year. The election was followed by a banquet attended by nearly one hundred members. The banquet hall was well decorated with flowers and plants. The following responded to toasts given out by Robert L. Graham the toastmaster: George Morrison, Geo. O. Brown, Wm. Christie, N. F. Flitton, Wm. Fraser, James Hamilton, W. J. Johnson, Geo. S. Kalb, Isaac H. Moss, J. J. Perry, Chas. L. Seybold, E. A. Seidewitz and P. B. Welsh.

The retiring president served two terms and was very popular with the club. All the other officers, except vice-president, have been their own successors for several years. At the banquet some warm remarks were made regarding the "butchery" of trees now going on in the parks of Baltimore.

B.

NEW YORK FLORISTS' CLUB.

The meeting on last Monday evening was well attended and a number of interesting and entertaining debates held the members until nearly 11 p. m. Such celebrities in wit and humor as Patrick O'Mara, Robert E. Berry, Harry A. Bunyard and John Birnie can always be depended upon to captivate an audience, not to mention two old spellbinders of such renown as Alex. Burns and James Dean.

Secretary Young was absent (first time in 20 years, it was said), being in attendance on the sessions of the S. A. F. executive board at Rochester, and his place was capably filled by J. H. Pepper as secretary pro tem. On motion a vacation for one day was granted to Mr. Young with full pay, and this was duly telegraphed to Rochester.

The outing committee announced the annual picnic for July 1, steamer Isabel and Witzel's Point Grove. A. C. Zvolanek, who was expected to speak on "Sweet Peas," was unable to be present, so Secretary Bunyard of the American Sweet Pea Society filled the gap most acceptably. Joseph A. Manda spoke a good word for the American Rose Society. Mr. Birnie spoke enthusiastically for the American Carnation Society, which he declared to have more energy than all the rest. A. T. Boddington and C. H. Totty were also among the eloquent ones.

There was an exhibit of ferns from Kessler Bros., fine freesias from Phil. Kessler, a cultural certificate being awarded to the latter.

LENOX HORTICULTURAL SOCIETY.

The meeting held Saturday, March 5th, was largely attended and full of interest from start to finish. The show schedules for this year were adopted and the following exhibitions will be held: Annual and perennial, July 27; fall show, October 26-27. In addition to the society's many prizes for the later show, three silver cups have already been generously donated—Henry A. Dreer Co., for a group of miscellaneous plants arranged for effect, 100 sq. ft.; Mr. Eustace Jaques for eighteen varieties of vegetables; Mr. W. B. O. Field for twelve varieties of vegetables, and it is safe to predict that the high standard of vegetable culture for which Lenox is so famous will be fully maintained this coming fall.

Edward Jenkins gave an interesting description of the recent Boston mid-winter show, congratulating that city on its splendid exhibition; special praise, however, being bestowed on W. N. Craig's collection of orchids.

The annual dinner will be held Wednesday, March 30th, and is being looked forward to with much interest by members and friends, some excellent talent having been engaged for the occasion.

Rose and Carnation Night will be on Saturday, April 2nd, and competition in the various classes will be keen. Mr. George Breed will read a paper on "The Neglected Orchards of the Berkshires."

GEORGE H. INSTONE, Sec'y.

CONNECTICUT HORTICULTURAL SOCIETY.

For lack of better accommodations, our allotted room in the County Building, at Hartford, was filled almost to repletion on the night of the 11th inst., which our society observed as "Carnation Night" and "Ladies' Night," and which was attended by a goodly proportion of ladies. Seats were arranged on all sides of a long center table filled with splendid carnation blooms of all prevailing colors.

After the routine business, in which two new members, Messrs. Walter Zutter and John W. Crowell, both of Hartford, were elected, President Huss appointed Messrs. John Gerard, J. A. Weber, and Alex. Cumming, Jr., judges of the carnation exhibit; and, after a long and very careful examination, they gave the following report by scales of points:

A. N. Pierson, Cromwell, Conn.: White Enchantress, 75; White Perfection, 85; Georgia, 90; Beacon, 85; Winsor, 85; Pink Delight, 85; May Day, 85.

John F. Huss, Hartford: White Enchantress, 80; White Perfection, 65; Beacon, 65; Rose Pink Enchantress, 70; Winsor, 75; Red Lawson, 65; Splendor, 75.

Whiting's Greenhouses (Carl Peterson, Manager), West Hartford: White Enchantress, 90; Harlowarden, 85; Enchantress, 95; Winsor, 80; Red Lawson, 90; Pink Lawson, 90.

John Coombs, Hartford: White Enchantress, 80; White Perfection, 75; Beacon, 75; Harlowarden, 75; Enchantress, 85; Rose Pink Enchantress, 80; Viola Sinclair, 80; Pink Patten, 65; Mrs. Patten, 75; Seedling of Victory, crossed with Beacon, 80.

W. H. Shumway, Berlin: Almira, 85. John Brodribb, Hartford: Beacon, 70.

President Huss, in referring to the carnations before him, said that a finer display of them had never been made by the society. Mr. Coombs' seedling of Victory crossed on Beacon, a bright and attractive red, and Mr. Shumway's seedling, Almira, produced in 1905, by crossing Wm. Scott on Enchantress, and occasionally bearing four-inch flowers, attracted special attention.

Appropriate to the occasion, Howard A. Pinney read an able and most engaging paper on "The Carnation," or divine flower; tracing its history back to the days of antiquity, and especially outlining the remarkable improvement made in this popular flower in the last twenty-five years. Mr. Pinney received a cordial vote of thanks.

E. F. Atwood, of Hartford, one of our members, who has had the misfortune to break one of his shoulders, has received by vote of the society a letter, through the secretary, expressive of the sympathy, good-will, and best wishes of the members, and of their hope for his speedy restoration to health and strength.

GEORGE W. SMITH, Sec'y.

Melrose, Conn.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Begonia, "Glory of Cincinnati," by J. A. Peterson of Westwood, Cincinnati, Ohio, becomes complete.

H. B. DORNER, Secretary.

March 10, 1910.

Headquarters for Hardy

Japanese Lilies

FOR IMMEDIATE DELIVERY

The Hardy Lilies are planted by many florists now. They bloom outdoors in July and August and are extremely useful for decorative purposes. The Auratum, Album and Rubrum are excellent for forcing.

Lilium Auratum (Golden Banded Lily).	Per doz.	Per 100	Per 1000
8 to 9 inches	\$0 90	\$6 00	\$50 00
9 to 11 inches	1 25	9 00	80 00
11 to 13 inches	2 25	15 00	140 00
Lilium Auratum Platyphyllum. A great improvement on the old Auratum, otherwise similar except that the flowers are very much larger.			
8 to 9 inches	1 50	10 00	90 00
Lilium Album (Praecox). Pure white.			
8 to 9 inches	1 10	7 50	72 50
9 to 11 inches	1 60	12 50	115 00
Lilium Album Kraetzleri. Pure white; an improvement on Lilium Album.			
9 to 11 inches	2 25	15 00	135 00
Lilium Magnificum (Rich pink).			
8 to 9 inches	1 00	6 00	55 00
9 to 11 inches	1 25	8 50	82 50
11 to 13 inches	2 25	16 00	150 00
Lilium Melpomene (Pink).			
8 to 9 inches	1 00	6 50	60 00
Lilium Rubrum or Roseum. Beautiful pink, spotted crimson.			
8 to 9 inches	85	5 00	47 50
9 to 11 inches	1 25	7 50	72 50
Lilium Tigrinum Splendens. Single Tiger Lily. Orange, spotted brown. We offer large imported bulbs.....	80	6 00	52 50
Lilium Tigrinum Flore Plena. Double Tiger Lily. Large imported bulbs..	1 00	6 50	60 00

Write for our wholesale catalogue

HENRY F. MICHELL COMPANY

518-1018 Market Street Philadelphia, Pa.

REVIEW OF THE WORK OF THE EXAMINING COMMITTEE, CHRYSANTHEMUM SOCIETY OF AMERICA FOR THE SEASON 1909

Name of Variety	Where Shown	Date	Exhibited by	Color	Type	Reale color	Form	Fullness	Stem	Foliage	Substance	Depth	Single	Total
Revers possible under scale used (b. & d. official) ---														
						Com	20	15	10	15	15	15	10	100
						Ex	10	15	15	5	5	15	35	100
Edmond Albi	bismarck	Oct 16	the E. G. Hill Co Richmond Ind	Satin Pink	Jap. Inc	C	18	13	7	15	13	12	9	87
Mrs. W. Wincott	New York	"	Lo-had & Lotty Madison N. J.	Light Pink	Jap	C	19	12	7	14	14	12	7	85
Mrs. W. Arnold	New York	Oct 27	"	white	Jap	C	17	13	10	14	13	13	8	88
Mrs. A. R. Paecek	New York	Oct 16	"	white	Jap. Inc	C	18	13	9	14	14	12	9	89
Mrs. A. R. Paecek	New York	Nov 6	Heck Bros Wyomissing Pa	Pink	"	Ex	9	14	14	5	5	12	30	89
Hawthorne	Philadelphia	Nov 6	"	Pink	"	C	11	13	7	14	14	13	7	85
Hawthorne	Philadelphia	Nov 6	"	Pink	"	C	17	13	9	13	13	13	8	86
Hawthorne	Philadelphia	Nov 6	"	Pink	"	Ex	8	13	14	4	4	12	30	85
Unaka	bismarck	Oct 9	Elmer D. Smith & Co Adrian Mich	Pink	Jap	C	16	12	8	15	12	12	8	83
Donatello	bismarck	Oct 23	"	Yellow	Jap. Inc	C	18	14	10	14	10	14	8	88
Oro-ba	bismarck	"	"	white	"	C	17	12	9	14	11	13	10	86
Oro-ba	bismarck	"	"	white	"	Ex	9	13	14	5	4	13	20	88
Oro-ba	New York	"	"	white	"	C	16	13	8	15	13	13	8	86
Tokawa	Philadelphia	Oct 20	"	Yellow shaded Purple	Jap. Inc	C	18	13	9	12	13	13	9	87
Tokawa	Philadelphia	Oct 20	"	"	"	Ex	9	13	14	3	4	12	30	85
Adonis	Philadelphia	Nov 13	"	Light Pink	Jap. Inc	C	15	12	8	13	11	13	8	86
Adonis	"	"	"	"	"	Ex	8	12	13	4	3	13	20	83
Adonis	bismarck	Nov 20	"	"	"	Ex	8	12	14	3	3	14	34	88
Ran-dee	"	"	"	white shaded Pink	Jap	Ex	6	14	15	3	3	14	32	87
Blorunda	"	Nov 6	"	Bronze	Tanaka	-	33	18	18	20				59
Blue	"	"	"	Terro Cotta	Single		37	16		18	16			87
Red Light	"	"	"	Scarlet Maroon	"		55	15		15	12			77
Constellation	Chicago	Nov 6	James Livingston Lake Geneva Wis	White	"		35	15		15	15			71
Number 109	"	Nov 20	"	Lemon Yellow	Anemone		30	15	15	18				78

Scale of Points for Varieties color 40 Form 20 Stem & Foliage 20 Fullness 20 Total 100
Scale of Points for Single Varieties color 40 Form 20 Substance 20 Stem & Foliage 20 Total 100
O. F. Johnson Secy

A PHILADELPHIA STRIKE

Strike us for anything in the line of Florists' Supplies. Best in Quality, Best in Workmanship, Best in Practical Usefulness for the Immediate Demand.

Get Ready for Easter

Do it now. We can supply you with the most beautiful new things in flower baskets, plant receptacles and other accessories that have ever been placed at the disposal of the energetic florists of America. Our new styles of high-handled baskets are artistic beyond description and appear in color and conformation to suit each and all varieties of popular Easter floral material. Our

SPECIAL BASKETS FOR AZALEA AND LILY POTS

Among our new things that will be needed directly after Easter are Ribbon Posts. Every decorating florist needs them. Bouquet Papers are coming in again. We can supply them. Imported Magnolia leaves are selling fast. We do not handle the domestic kind. Cape Flowers are just in and they're very fine this year. We have prepared Maiden Hair Fern and Japanese Air Plants by the million. Send for quotations and complete catalogue.

A Leader — Imperial China Ware Open-Work
Plant Receptacles in Many Beautiful Designs

H. BAYERSDORFER & CO.

1129 Arch Street,

Philadelphia, Pa.

NATIONAL GARDENERS' ASSOCIATION OF AMERICA.

The third annual convention and exhibition of this Society was held in Philadelphia, March 15, 16, 17. We give below President Kleinheinz's address:

Gentlemen: It is a great pleasure to me as your President to say a few words at this convention.

In the name of the National Association of Gardeners, I must express my heartiest welcome to all present members.

Through the courtesy of the Pennsylvania Horticultural Society it was possible to hold our annual convention and exhibition in conjunction with the Spring Show of the latter society, and I feel as a member of the Pennsylvania Horticultural Society that this society is also very much pleased to receive you in their home and that everyone wishes our guests will make themselves at home and spend a few days of enjoyment in the city of Philadelphia and part from us under the impression that Philadelphia is the City of Brotherly Love and will return again in the near future to renew the friendship and acquaintance.

A year ago, at the last convention, in New York City, I had the honor to be elected as your President, of which I am very proud and think that I have kept my promise to do all in my power for the National Association of Gardeners.

Since my election the number of active members has grown up to 1387 and associate members, 38.

The credit for this increase is by a long way not all due to me, but more to our Secretary, Mr. W. E. Maynard.

But being in harmony with my friends and brother gardeners, I was able to secure a few members also, and I feel that I have to ask all the present members, as well as the absent members, to do their best to get this society stronger and stronger from year to year by getting their friends to join us. We have in this glorious country a large number of societies, such as Society of American Florists, American Carnation Society, American Rose Society, Chrysanthemum Society of America, and a great many others, which are all of great benefit to the commercial grower as well as to the private gardener, but I must say that the National Association of Gardeners is also a necessity.

At our yearly conventions, we show how things are done on private estates by exhibiting flowers, plants, etc., and a good many of those can be seen at the shows which we never would have the opportunity to see if it were not for private estates. Some of the finest specimens of palms, ferns, foliage plants as well as cut flowers are only grown on the estates of wealthy people, as it would never pay the commercial man to grow those for years without getting returns, and so I must say that it is the private gardener that keeps us in touch with many beautiful plants, etc., which would be forgotten long ago were it not for them and their employers.

I am sure every one attending our conventions will profit one way or another by seeing the exhibits, meeting friends, asking questions between themselves as well as in the open meeting and, by closing time, I think every one will start for home at least a little wiser than he was on arriving.

I am under the impression that all present have the same feeling in regard to our association and convention, and I must appeal to you again to do all you can to make this association stronger, so that by our next convention we will have 2,000 members or more and have a larger meeting and a larger exhibition, and the opportunity to meet and make more friends and learn from them by their good advice as much as possible.

A banquet was held in Dooner's Hotel on the evening of the 15th inst., at which 65 sat down and spent a very enjoyable evening. William Kleinheinz, the president of the National Gardeners' Association, was chairman, and Robert Craig acted as toastmaster. The cups won at the exhibition were presented on this occasion and many brilliant speeches graced the event. The next convention will be held in Boston, spring 1911.

YONKERS HORTICULTURAL SOCIETY.

The first annual dinner of this society was held at Park Hill Inn on Thursday evening, March 10th. About 100 members and friends from New York, Long Island, and other places were present. The dining-room was very tastefully decorated and much thanks are due W. H. Waite for supplying the plants, and W. Macdonald for arranging the same. All the speakers took occasion to warmly compliment the society on the excellent showing it has made since its start two months ago, and expressed the hope that success will attend the plans to hold a show in the fall.

A. T. Boddington as toastmaster was

Dreer's Hardy Delphiniums

Belladonna. The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$2.00 per dozen, \$15.00 per 100; \$125.00 per 1000.

Dreer's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

Formosum. A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

Chinese Blue and White. 75 cents per dozen, \$5.00 per 100.

CHOICE NAMED HYBRID VARIETIES.

Alfred Henderson. Bold, massive spikes of semi-double rosy-lavender flowers, 2 inches across, white eye. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Beatrice Kelway. Deep, rich blue with a conspicuous yellow eye, flowers 2 inches across and perfectly arranged. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Cerberus. Sapphire with black-brown centre, a handsome spike. 35 cents each; \$3.50 per dozen.

Chinese Cineraria (Spurless Hardy Larkspur). The large flowers without a spur, strikingly resembles a fine, rich sky-blue Cineraria. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Duke of Connaught. Rich oxford-blue, with distinct bold white eye; fine large flowers. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

J. C. Jenkins. Very large, semi-double bright mauve edged with royal blue and white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

King of Delphiniums. Most vigorous growing, immense size, semi-double, rich deep blue with large white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lizzie. Lovely azure-blue, flowers 2 inches across, bold, creamy-yellow eye, arranged in bold massive stems. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lemartin. Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Mrs. Creighton. Semi-double, outer petals deep sky-blue, centre rich plum with black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Persimmon. Comparatively new; beautiful delicate turquoise-blue. 50 cents each; \$5.00 per dozen.

White Seedlings. These have been carefully selected and will be found desirable in any collection. 30 cents each; \$3.00 per dozen.

For the most complete list of Hardy Perennial Plants offered in America see our current Wholesale List

Henry A. Dreer, Inc.

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The above prices are intended for the trade only.



both snappy and humorous. President Bennet responded to the toast, "The Yonkers Horticultural Society." He gave a brief outline of the work accomplished, saying there are now 80 members and predicting great things for the future. Mayor Lennon was the next speaker and congratulated the society on its splendid showing, and, on behalf of the city, offered assistance at the show to be held in the fall.

The other speakers and their subjects were as follows: "Kindred Societies," H. A. Bunyard; "The Private Gardener," J. Mooney; "The Nurserymen," James Scott; "The Visitors," Harry Turner; "The Seedsmen," Albert Rickards; "The Florist," Louis Melilot; "The Ladies," J. Austin Shaw; "The Horticultural Press," J. H. Pepper. The entertainment was furnished by the Rickards Bros., comic and sentimental songs; James Anderson, baritone solos, W. H. Waite, tenor solos.

The committee in charge were W. H. Waite, Hamilton Scott and Peter MacDonald.

LEE WHITMAN, Cor. Sec.

BUFFALO FLORISTS' CLUB.

The regular meeting and annual election of officers was held on the evening of March 1st at the Iroquois Hotel. Not that the club rooms were not large enough, but on account of the entertainment committee selecting this hotel as the proper place to hold a flower show, banquet and entertainment. Some excellent blooms were seen. A vase of carnation "Ideal" shown by

W. C. Stroh of Attica was fine, the color being a pink deeper than that of Enchantress but the bloom a trifle smaller. Melody and White Perfection by A. Pauly, assorted varieties and Killarney roses by W. J. Palmer & Son, assorted carnations by White Bros. and Wm. Ehmann, together with some very fine sweet peas, mignonette, etc., from the latter; also fine red carnations by Jno. Priesach, good collections by Chas. Guenther and by F. Dorner & Son. A shipment from the Chicago Carnation Co. arrived the following morning, but in excellent condition, and were seen at the wholesale house, among the varieties being Conquest, Sangamo and Mary Tolman. Mrs. W. W. Coles also arrived late.

The election was a hot contest, Jos. Streit being elected president; O. G. Gilles, vice-president; Wm. Legg, secretary; Jerome Deutscher, financial secretary, and Chas. Sandiford, treasurer. The annual banquet followed, with Wm. F. Kasting as toastmaster. Songs and other entertainment was enjoyed by the members, and good remarks by the outgoing officers and others.

A paper on color harmony was read by Edw. Slattery, which will appear in some later issue of this paper. The lantern slides, operated by O. G. Gilles and W. Palmer, Jr., were excellent.

At a meeting of the local Florist Club, Dayton, Ohio, a petition was drafted favoring the setting aside of a certain section in the Central Market for a flower market.

If You

Are not yet familiar with the true merits of

APHINE

Send for our new descriptive circular.

We claim Aphine to be the most effective general insecticide now on the market for greenhouse use, both for florists, and truck gardeners.

**It destroys White Fly,
Red Spider and Mealy Bug.**

**Also Green and Black Fly,
Thrips and Scale.**

It is safe to apply to the tenderest flowers and foliage.

Send for name of nearest selling agents

Manufactured by
APHINE MANUFACTURING COMPANY
MADISON, N. J.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

Additional Prizes Offered for the 1910 Exhibition.

The Peter Henderson & Co.'s Prizes; a \$10.00 gold cash prize to be awarded the amateur exhibitor of the best and most distinct collection of 25 varieties of sweet peas including not less than six of the Spencer type. The number of sprays to each variety to accord with the Society Rules. Also a \$10.00 Gold Cash Prize to be awarded the amateur exhibitor of the two best vases of George Washington and Martha Washington sweet peas. Each vase to contain not less than 25 sprays.

The Henry F. Michell Co.'s Prizes; \$10.00 for the best three vases of sweet peas (one vase of each variety): Frank Dolby, White Spencer, and Mrs. Alfred Watkins. First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

The C. C. Morse & Co.'s Prize; a silver cup, value \$25.00, for the finest collection of sweet peas (open to the trade only).

HARRY A. BUNYARD, Sec'y.
342 West 14th St., New York City.

NASSAU COUNTY HORTICULTURAL SOCIETY.

At the meeting of this society on March 9, rose prizes were awarded to J. Everett and G. Wilson and sweet pea prize to H. Gaut. Cultural certificates were bestowed on R. Marshall for cyclamens, I. McDonald for schizanthus, Alex. Mackenzie for roses and Mr. Trepess for Coelogyne cristata. Honorable mention to F. Petrocchia for primulas; vote of thanks to J. F. Johnston for conifers. Mr. Johnston will talk on evergreens at the next meeting.

Six new members were elected. We elected our first life member—Mr. Mortimer L. Shiff of Oyster Bay—and the following as honorary members: Messrs. L. Tiffany, Evelin Roosevelt and Chandler Moore, from Oyster Bay; A. G. Rodenpyle, Locust Valley, Colgate Hoyt, Centre Island; D. Munger, Glen Cove; and Congressman W. W. Cocks of Washington, D. C. Credit is due to our president for securing all these members. There was also a shower of checks for our fall show; we were sure of the goods, now we are sure of the cash. Summer show date was set for June 15th.

ELBERON HORTICULTURAL SOCIETY.

This organization held a meeting on the 7th of March. There was a good attendance to hear A. Bauer read his paper on bulb forcing which was very interesting and quite a discussion followed. Mr. Bauer displayed a very fine collection of bulbs which was awarded a cultural certificate. The novelties in tulips were much admired. The best ones shown were Queen of the Netherlands, delicate pink; Flamingo, dark pink; Pink Beauty; Van Del, a magnificent single white. The bulbs were supplied by the Stumpp & Walter Co. The following points were awarded: Wm. Seymour for White Enchantress, 90; P. Ewen for Dracaena, 90; A. Bauer for Anthrinum, 90.

The next meeting will be rose night.
ALEX. FLEMING, Rec. Sec.

PREPARE FOR EASTER

Headquarters for Easter Plants

WELL CROWN, RIGHT FOR EASTER

AZALEA INDICA, one of our specialties.

In large sizes we have, all covered with buds, the following: **Bernard Andrea Alba** (white), **Niobe** (double white), **Dr. Moore** (pink), **Memory de Van Houtte** (large flowering pink), **Mme. Van der Cruyssen** (light pink), **Empress of India** (double variegated), **Hellena Tellman** (light pink), **De Schreveriana** (double variegated), **Apollo** (red). Price: \$1.50, \$1.75, \$2.00, \$2.50 to \$3.00 each.

In smaller sizes we have a big house full of the well-known **Mme. Van der Cruyssen** (the best of all the pink), all as round as an apple and covered with buds. Price: 60c., 75c., \$1.00, \$1.25, \$1.50, \$2.00 and \$2.50.

SIMON MARDNER (double pink), **Vervaeana** (double variegated), **Niobe** (double white). Price: \$1.00, \$1.25, \$1.50. **DEUTSCHE PERLE** (white), **Apollo** (red), **Empress of India** (double variegated), **De Schreveriana**. Price: 60c., 75c., \$1.00, \$1.25.

CINERARIA Hybrid Grandiflora, best strains, very fine colors. 6-inch pots, 25c., 35c., 50c., 75c. to \$1.00.

SPIREA Gladstone, full of buds, 6-7 in. pots, 50c., 75c. to \$1.00.

PRIMULA Obconica, 5-in. pots, \$2.50 per dozen.

TOURNESOL TULIPS, best double variegated, 3 bulbs planted in a 4-in. pot, \$1.50 to \$1.75 per dozen pots. **Murillo Tulips**, best double pink, 3 bulbs in a 4-in. pot, \$2.00 per dozen pots.

HYACINTHS. Raised from the best bulbs of Holland production; **King of the Blues**, **Grand Maitre** (light blue), **Gertrude** (best pink), **La Grandesse** (best white). Price: \$12.00 per 100 pots.

Von Sion DAFFODILS (best double Narcissus known), 3 double-nosed bulbs planted in a 6-in. pot. Price: \$2.50 to \$3.00 per dozen pots.

HYDRANGEA Otaksa, 6-7 in. pots, 35c., 50c., 75c., \$1.00, \$1.25 to \$1.50.

FERNS for dishes, 2½-in. pots, strong \$5.00 per 100.

KENTIA Forsteriana. Imported last spring (1909) from Ghent, Belgium, in fine condition, 6-7 in. pots, 35-40-50 inches high, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00; 4-in., 20c. **Belmoreana**, 6-in., \$1.25 to \$1.50 each; 4-in., 25c.; 3-in., 10c.

EASTER LILIES. **Multiflorum**, 10c. per bud, about five buds to the plant; under five buds, 12c.

A reasonable amount of other plants must be taken in connection with lilies. **Japanese Multiflorum**, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot, free from disease, we have had for years past. The large demand for Lilies exceeds the supply every year; we, therefore, ask that you order early. Price, plants with five buds and upwards, 10c. per bud; plants with under five buds, 12c. per bud. We can satisfy all wants if ordered soon.

Cash With Order

GODFREY ASCHMANN

Wholesale Grower and Importer of POT PLANTS

1012 W. ONTARIO ST., PHILADELPHIA, PA.

AZALEAS

We offer a fine lot of Azaleas, shapely specimens, well "headed," double and single flowered, which should make splendid plants for Easter sales.

We offer the following well known and popular sorts:

Mme. Van der Cruyssen, Niobe, Deutsche Perle, Mme. C. Van Langenhove, Vervaeana, Empress of India, Helen Thielman, and Simon Mardner.

	Per doz.	Per 100
10 to 12 inch heads	\$6.00	\$45.00
12 to 14 " "	7.00	55.00
14 to 15 " "	10.00	75.00

6 sold at dozen rates; 25 at 100 rates

PETER HENDERSON & CO

35 and 37 Cortlandt St.

NEW YORK

EASTER PLANTS

LILIES, AZALEAS, HYDRANGEAS, RAMBLERS, LILACS, SPIRAEAS, HYBRID ROSES, GERANIUMS, GENISTAS, BULB STUFF, ACACIAS, BOTTLE-BRUSH.

SHRUBS AND BEDDING PLANTS

CHRYSANTHEMUM CUTTINGS READY.

ALL BEST VARIETIE S

COME AND SEE US

WM. W. EDGAR CO.

Waverley, Mass.

In ordering goods please add, "I saw it in HORTICULTURE"

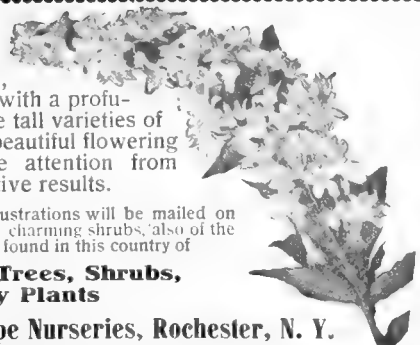
Deutzia Lemoinei

Is one of the choicest small shrubs, covered in the blossoming season with a profusion of pure white flowers. The tall varieties of Deutzia are also among the most beautiful flowering shrubs and should receive more attention from planters who aim to produce effective results.

A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

**Fruit and Ornamental Trees, Shrubs,
Roses and Hardy Plants**

ELLWANGER & BARRY, Mount Hope Nurseries, Rochester, N. Y.



"NOT HOW CHEAP—
BUT HOW GOOD"

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA

June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted**. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

100,000,000,000

RED Cut Flowers can be sold Christmas week, 1910. My **20th** Century red Christmas Novelty will supply the increasing demand for red flowers at this red flower season. My practical knowledge will put 500% profit in your pocket at a nominal cost to you. It beats the Poinsettia 100 ways. I am the originator of new good things for florists

Write today and inclose 10c in stamps for reply.

L. I. NEFF, Florist,

BELLEVUE, PENNA.

FLORISTS' CLUB OF WASHINGTON.

The March meeting of this club was the date for the annual election of officers and a good crowd was in attendance. John Robertson was unanimously elected president. He is a man eminently fitted for the office, of sterling integrity and most popular among his fellow-florists. E. C. Mayberry, of the firm of Mayberry and Hoover, was elected vice-president; for secretary, O. A. C. Oehmler, chief decorator for Gude Bros., succeeded himself. W. W. Kimmel, David Bisset and O. A. C. Oehmler were elected directors to serve a two-year term.

The annual banquet tendered the incoming and outgoing officers is always given at the April meeting and a committee consisting of John Robertson, Geo. Cooke, W. W. Kimmel and O. A. C. Oehmler was appointed to decide as to every arrangement therefor. After some unimportant routine business the business session adjourned to enjoy a musical and social treat. Mrs. Naecker, Messrs. Merritt and Sunsbau delighted the audience and appropriate delicacies appeared the inner man.

The executive committee of the Canadian Horticultural Association, H. Phillpot president, met at Saint Catherine's, Ont., and it was decided to hold the annual convention at that place August 10-12, at Carnegie Library.

BERBERIS THUNBERGII

Bushy Plants, 18 to 24 inches at \$9.00 per 100; 12 to 18 inches, at \$6.00 per 100.
Seedlings, 3 to 5 inches, \$8.00 per 1000, with 6-in. roots; 2 to 3 inches, \$5.00 per 1000, with 6-in. roots.

CAROLINA POPULAR

2 years, clean and smooth, nicely branched.
10 to 12 ft. \$15.00 per 100
8 to 10 ft. 10.00 per 100
7 to 8 ft. 8.00 per 100

LOMBARDY POPLARS

7 to 9 ft. \$10.00 per 100
6 to 7 ft. 8.00 per 100

NORWAY SPRUCE

Several times transplanted.
3 to 4 ft. \$30.00 per 100
2 to 3 ft. 8.00 per 100
18 to 24 in. 6.00 per 100

ARBOR VITAE

Transplanted.
3 to 4 ft. \$10.00 per 100
2 to 3 ft. 8.00 per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.
3 to 4 ft. 100 1000
No. 1, 3 to 4 ft. \$4.00 \$25.00
12 to 18 in. 3.00 30.00
\$60 per 5000 15.00
This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.

**The Burr Nurseries
MANCHESTER, CONN.**

Horseshoe Brand Products

In Giganteum indicates the acme of quality. Large growers know they produce the largest percentage of cut flowers per thousand bulbs of any brand. The reason why is because they are produced by the choicest seed-bulbs in the world; are properly planted and cultivated. The actual profits indicated by your cash register when the final show-down time comes are greater from Horseshoe Brand Giganteum than from any other brand receiving the same treatment in forcing. Don't take our word for it, try them, count the cut.

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12 West Broadway, - - - New York

BARGAINS IN ORCHIDS

Private collector wishes to dispose of his large collection of CATTLEYAS VAR.: Labiatas, Trianae, Percivalianas, Schroderae, Mossiae, Gaskellianas, Warnerii and Bowringiana, all A1., new established stock, with from 2 to 6 leads.

PRICES: \$1.00 TO \$2.00 PER PLANT

Gerudt & Co., Room 1008 Union Bldg., Newark, N. J.

ORCHID PEAT—Osmunda Fibre

The best material for **Orchid Potting**. The grade which we offer is of the best material, well cleaned and sold in chunks or hand picked. **Leaf Mold, Rotted Peat and Baled Sphagnum** also in stock.

The C. W. BROWNELL COMPANY

WALDEN, N. Y.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The club will hold a field day with W. W. Edgar Co., Waverly, Mass., on Saturday, March 19, 1910. Members and friends will please take electric cars for Weverley, leaving Park Street Station (Subway) at one o'clock. A cordial invitation is extended to all interested growers to join in this outing.

The next club meeting will be held at Horticultural Hall on Tuesday evening, March 22, at 8 o'clock. The speaker of the evening will be Arthur E. Thatcher, of the Arnold Arboretum on "New and Desirable Hardy Herbaceous Plants." Many subjects of interest will come up at this meeting and it is hoped there will be a large attendance.

W. N. CRAIG, Sec.

CINCINNATI FLORISTS' SOCIETY.

A meeting of this society was held on March 11th at the Jabez Elliott Flower Market. The committee on by-laws made their report and same was adopted as amended by the committee. After the meeting adjourned the members went to Wicler's as guests of the Society, where they had lunch and refreshments, and spent the balance of the evening bowling.

CLUB AND SOCIETY NOTES.

The Lenox Horticultural Society, at their recent meeting, voted to offer a prize of \$25 for the best specimen tree planted in Lenox since 1905, and also \$25 for the best orchard of not less than 200 trees, which are ten years or more growth.

At the meeting of the New Haven Horticultural Society which was held March 9, the following new officers were installed: President, John N. Champion; vice-president, James Kidd; secretary, Fred Woods; treasurer, Daniel Kidd; press agent, J. C. Morton; board of managers, John N. Champion, James Kidd, John H. Murray, Fred Woods, John C. Morton, Richard Bell, William Beattie and Robert Paton.

The Worcester County Horticultural Society celebrated its annual reunion the evening of March 9th with a banquet and reception in Horticultural Hall. Mr. Joseph Green was toastmaster. The keynote of the addresses was that New England having as fertile soil as any other section of the country should take its place in the front rank in amount and quantity of horticultural products. Following the

banquet and speaking there was dancing.

At the Royal Horticultural Society's exhibition on February 22, Carnation Bay State was shown in excellent form by H. Burnett. A first class certificate was awarded to Sander & Son for *Odontoglossum splendens*, a cross of *O. eximium* with *O. Wilckeanum* and an award of merit for *Odontoglossum Black Prince*, a cross between *O. Lambertianum* and *O. Rolfeae*. Charlesworth & Co. received an award of merit for *Odontoglossum Ceres*, a cross of *O. rubescens* with *O. Rolfeae*. *Odontoglossum eximium* var. *E. C. Rogerson*, a cross between *O. crispum* and *O. ardentissimum* won an award of merit for the exhibitor, Mr. E. Rogerson, and a similar award was given to H. S. Goodson for *Cattleya Schroderae* The Prince. A gold medal was awarded to a grand collection of orchids from Sir Jeremiah Colman.

Florists are back of the bill for an appropriation of \$50,000 for teaching floriculture at Cornell University. William F. Kasting stated yesterday that the bill was indorsed by the florists of the state. The Buffalo Florists' Association favors the bill.—*Buffalo Times*.

ORCHIDS

ESTABLISHED—Finest and largest stock in the country.
IMPORTED—Coming—All commercial Cattleyas, Oncidiums,
Dendrobiums, etc.

Palms in all sizes, Stove Plants, Bay Trees, Box Trees,
Evergreens in Variety

Begonia Lorraine and Agatha

Leaf Cuttings, June Delivery

Julius Roehrs Co. Exotic Nurseries

RUTHERFORD, N. J.

ORCHIDS! ORCHIDS!

Of All Kinds And For All Purposes

The following freshly imported Orchids have arrived
in fine condition: *Cattleya Warnerii* and *C. cabiata*.

Due in a few days *C. Mossiae*. Other varieties to fol-
in rapid succession.

Write For Prices

Lager & Hurrell

SUMMIT, - - - - N. J.

CYCLAMEN

Best Strain in Cultivation.

4 in. pots..\$25.00 per 100 6 in. pots..\$75.00 per 100
5 in. pots.. 50.00 7 in. pots..100.00

THOMAS ROLAND, NAHANT, MASS.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

TO BUYERS

Patronize our advertisers. they will treat you right

STUART LOW & CO., late of
Hugh Low & Co. dissolved, are now receiv-
ing large importations of **BURMESE**
DENDROBIUMS, such as *Wardianum*,
Crassinode, *Fimbriatum*, *Devonia-*
num, *Nobile Brymerianum*, *Thyrsi-*
florum, etc., and will give excellent value.

Also hold very large stock of **WARDIA-**
NUMS, **CRASSINODES**, etc., to flower
THIS SPRING.

Also **LAELIO-CATTLEYAS**, **BRAS-**
SO-CATTLEYAS, **ODONTOGLOS-**
SUMS in spike, all for Spring and early
Summer flowering.

Catalogue on Application

Royal Nurseries, Bush Hill Park, Enfield, England

ORCHIDS

Cattleya Warnerii, *C. Harrisoniae*, *C. Gas-*
kelliana, *C. gigas Hardyana* type, *Dendro-*
bium Phalaenopsis Schroederiana, *Odonto-*
glossum luteo-purpureum sceptum.

CARRILLO & BALDWIN,
Mamaroneck, New York,

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also im-
portations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

Don't Get Left - Last Call on Rooted Cuttings, April Delivery

limited quantity of fine rooted cuttings for April delivery, which, from past experience, however, won't last long. Meanwhile our

Carnation Dorothy Gordon

has added to its laurels. At the Toronto show, just closed, a gold medal was awarded this splendid carnation when exhibited in competition with others. Carnation Dorothy Gordon is a winner—a winner of prizes and a winner of profits, so our customers are learning.

Some of its merits are: strong constitution—absolutely free from disease; wonderful productiveness—50 per cent. more flowers than Enchantress; good color—clear, uniform pink; splendid form and keeping qualities—flowers last four and six days after cutting; and enormous size—averaging three inches in diameter. We know of no other variety possessing all these strong qualities.

Order NOW some of the splendid stock we offer for April. Prices remain the same—\$10.00 PER 100, \$75.00 PER 1,000—and you'll find, long before the season is over, that it was the best investment you made this year. If you want to investigate first, come to see us, or write for particulars—but don't delay, for the stock won't last!

JOSEPH HEACOCK COMPANY, Disseminators, WYNCOTE, Pennsylvania

We have a SPECIALLY nice lot of

Young Carnation and Chrysanthemum Stock

Now ready; heavily-rooted, sturdy stock and liberal count. Try us once.

CARNATIONS

	R.C. per 100	2 1/2 in
Enchantress.....	\$2.50	\$3.50
Rose Enchantress.....	2.50	3.50
Beacon.....	2.50	3.50
White Perfection.....	2.50	3.50
White Enchantress.....	2.50	3.50
Georgia.....	4.00	5.00
Welcome.....	3.00	4.00

CHRYSANTHEMUMS

A few stock plants of October Frost, C. Touset, Alice Roosevelt, Golden Glow, still left at \$3 per 100, \$25 per 1000.

The following in R.C. and 2 1/2 in. stock:

Alice Roosevelt, October Frost, Golden Glow, Rosiere, Monrovia, Minnie Bailey, Appleton, White Bonafon, Alice Byron, Dr. Enguehard, Yanoma, Wanamaker, Hankey, and nearly all standards, \$2 per 100, \$15 per 1000 for R.C. \$2.50 per 100, \$20 per 1000 for 2 1/2 in. pots.
Virginia Poehlmann, \$3 per 100 R.C. \$4 for 2 1/2 inch Golden Eagle, Lynwood Hall, \$4 per 100 R.C. \$5 for 2 1/2 inch. Pres. Taft, Mrs W. E. Kelley, \$10 per 100 R.C. \$12 for 2 1/2 inch.

I. M. RAYNER, GREENPORT, L. I., N. Y.

CHRYSANTHEMUMS

All orders booked now for early delivery.

Write for Catalogue

ELMER D. SMITH & CO.

ADRIAN, MICH.

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

GLADIOLI

Well grown stock of Brenchleyensis and Isaac Buchanan make effective decorations. Bulbs of same for sale, first sizes \$9 and \$25 per 1000 respectively. My soil, climate and method are well adapted to the production of **mature, sound stock.**

JOHN H. UMPLEBY, Lake View, N. Y.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

PRICE: Rooted Cuttings, \$2.00 per 12, \$12.00 per 100, \$100.00 per 1000. 25 at the 100 rate; 250 at the 1000 rate.

Plants from 2 inch pots \$15.00 per hundred.

ALMA WARD all sold.

Cottage Gardens Co., Inc.

QUEENS, LONG ISLAND, N. Y.

BEACON CARNATION CUTTINGS

We have a quantity of well-rooted cuttings from especially strong stock. THESE ARE CUTTINGS THAT ARE SURE TO PLEASE.

Nothing Spectacular—Just the Best Cuttings that can be had, and at Right Prices, and notice particularly that these cuttings are from **SOIL** and come from stock that **DOES NOT SPLIT.**

CARNATION CUTTINGS

Clean, well-rooted stock, the kind that will make you and your friends our regular customers. *N. B. — Our White Enchantress is PURE WHITE with NO strain of color.*

	Per 100	Per 1000		Per 100	Per 1000
Winsor	\$2.50	\$20.00	Enchantress	\$3.00	\$25.00
Beacon	3.00	25.00	White Perfection.....	3.00	25.00
White Enchantress.....	2.50	20.00	Rose Pink Enchantress...	2.50	20.00

Immediate delivery. Write for special prices on large quantities. No order too large for our facilities. *Chrysanthemum cuttings in best variety, also.*

J. D. THOMPSON CARNATION CO., - - Joliet, Ill.

ROOTED CUTTINGS CARNATIONS HEALTHY STOCK

Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

ROSES

Grafted and Own Root. Have a few thousand each. Send for List.

WOOD BROTHERS

FISHKILL, N. Y.

THREE NEW CARNATIONS

Conquest, lacy overlaid pink,
Sangamo, Brilliant pink,
Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill.

PEONIES

Send for our list. The very choicest Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,

Richmond, Indiana.

CARNATION

Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATALOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

PRICE LIST—EASTER 1910

COME AND SEE OUR STOCK

Any Buyer seeking quality will be well repaid by inspecting our large stock of Crimson and Pink Ramblers, Hydrangeas, Lilies, Azaleas, Rhododendrons, Spiraeas, etc.

The early Easter will make absolutely no difference to us

Our stock is excellent and timed just right for Easter. Send us your orders at once to insure satisfaction.

LILIES—Our stock is exceptionally good this year.
Plants from 4 to 8 blooms.....12 cents per bloom
Made-up pans from 12 to 20 blooms.....12 cents per bloom
Plants with less than 4 blooms.....15 cents per bloom

AZALEAS

We have the largest and finest stock of Azaleas we have ever had, including Van der Cruyssen, Vervaeana, Emp. of India, Emp. of Brazil, Niobe, Bernard Andre Alba, Prof. Wolters, etc., 75c., \$1.00, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00, \$6.00, \$7.50 and \$10.00 each.

Pyramid Azaleas, very fine.....\$3.00, \$3.50 and \$4.00 each
Azalea Mollis, Anthony Koster, the best yellow,

\$15.00 and \$18.00 per dozen
Azalea Mollis Ass't, very large plants.....\$2.50, \$3.00 and \$3.50 each
Small Azaleas for Basket Work.....\$4.00 per dozen; \$30.00 per 100

CRIMSON RAMBLER ROSES

These plants are unusually fine and will be just right for Easter.
6-inch and 7-inch pots.....\$1.00, \$1.25 and \$1.50 each
8-inch pots.....\$2.00 and \$2.50 each

Plants trained in fan and globular shapes, extra fine.
\$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00 and \$6.00 each

PINK RAMBLER ROSES

Lady Gay and Dorothy Perkins. In great condition, trained into fan, globular and pyramidal shapes, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00 and \$6.00 each.

Special Ball Shapes.....\$1.50, \$2.00, \$2.50, \$3.00 and \$3.50 each
Special Wire Fan Shapes.....\$3.00 and \$3.50 each
Standard Lady Gay, Umbrella Shape.....\$3.50 each

We want to call your attention to this Special Standard Lady Gay Umbrella, which we have in exceptionally fine condition. This, we believe, cannot be duplicated anywhere.

TAUSENDSCHON (New)—"Thousand Beauties."

This was our finest Climber last Easter and this year the plants are still better. We cannot recommend the Tausendschon Rambler too highly.

Strong plants in 6-in. and 7-in. pots.....\$1.00, \$1.25 and \$1.50 each
Trained Plants, Fan, Globular and Pyramidal shapes,
\$2.00, \$2.50, \$3.00, \$3.50, \$4.00 and \$5.00 each

BABY RAMBLER STANDARDS

Exceptionally fine plants, 3 to 5-foot stems,
\$1.00, \$1.25, \$1.50, \$2.00 and \$2.50 each

WHITE BABY RAMBLER STANDARDS

\$1.00, \$1.25 and \$1.50 each.

STANDARD DOUBLE-BUDDED WHITE AND RED BABY RAMBLER ON SAME PLANT—\$1.50 each.

BABY RAMBLERS

Good strong stock, well flowered.....\$3.00, \$6.00 and \$9.00 per doz.

HIAWATHA—The best of its color.

6-inch and 7-inch pots, trained in globular and fan shapes,
\$1.25, \$1.50, \$2.00, \$2.50 and \$3.00 each

MRS. CUTBUSH (New)—Pink Baby Rambler.

This is a good one, in 6-inch pots.....\$6.00 and \$9.00 per doz.

BABY DOROTHY (New)

Pink Baby Rambler, very similar to Mrs. Cutbush.

4-inch and 4½-inch pots.....\$4.00 per doz.

5-inch pots.....6.00 per doz.

6-inch pots.....9.00 per doz.

HYBRID ROSES.

We have an unusually large stock of Hybrids which will be just right for Easter; all the best varieties, including Richmond, Kaiserin, Mrs. Kershaw, Killarney, etc., \$6.00 and \$9.00 per dozen.

Magna Charta, very fine.....\$9.00, \$12.00, \$15.00 and \$18.00 per doz.

HYDRANGEAS

Large plants.....\$6.00 and \$12.00 per dozen.

Hydrangea Otaska, Standard (New).....2.00, 2.50 and 3.00 each

RHODODENDRONS

Shapely, well-budded plants, including all the best varieties,
\$1.50, \$2.00, \$2.50, \$3.00, \$3.50 and \$4.00 each

A few larger plants in tubs, very handsome.....5.00 and 6.00 each

RHODODENDRON PINK PEARL (New)

The most beautiful of all the Rhododendrons,
\$2.50, \$3.00, \$3.50 and \$4.00 each

LILY OF THE VALLEY

5-inch pots.....\$6.00 per doz. 6-inch pots.....\$9.00 per doz.

BOUGAINVILLEA GLABRA SANDERIANA

Magnificent plants, exceptionally well flowered,
\$3.50, \$4.00, \$5.00, \$6.00, \$7.50 and \$10.00 each

GENISTAS

A grand stock, grown cool and just right for Easter,
\$2.00, \$3.00, \$4.00, \$5.00, \$6.00, \$9.00, \$12.00 and \$15.00 per doz.

SPIRAEA GLADSTONE

Our stock is in superb condition.

6-inch pots.....\$0.50 each

7-inch pots......75 each

8-inch pots, made up.....1.00 each

9 and 10-inch tubs, made up.....\$1.50 and 2.00 each

PINK SPIRAEA

Queen Alexandra, very beautiful.

6-inch pots.....\$9.00 per doz.

DOUBLE DAISY, Queen Alexandra.

Well grown and well flowered.

4-inch pots.....\$2.50 per doz.

5-inch pots.....4.00 per doz.

6-inch pots, very fine.....\$6.00 and 9.00 per doz.

MARGUERITES

Very well flowered, 6-inch pots.....\$4.00 per doz.

ORANGES

5-in. and 6-in. pots, 4 to 8 fruits.....\$0.50, \$0.75, \$1.00 and \$1.50 each

NEPHROLEPIS SCOTTII

6-inch pots.....\$6.00 and \$9.00 per doz.

8-inch pans.....\$12.00 per doz.

10-inch pans.....\$1.50 and \$2.00 each

NEPHROLEPIS TODEAOIDES

The London Fern.

We have a large stock for growing on, in 2-inch pots,
\$5.00 per 100, \$45.00 per 1000

6-in. pots.....\$6.00 and \$9.00 per doz. 11-in. tubs.....\$2.50 each

NEPHROLEPIS AMERPOHLII

The Philadelphia Lace Fern.

5-inch and 6-inch pots.....\$6.00 and \$9.00 per doz.

NEPHROLEPIS WHITMANI

9-inch pots.....\$2.00 each

NEPHROLEPIS SCHOLZELI—Ready Now

2¼-inch pots.....\$8.00 per 100, \$75.00 per 1000

ASPARAGUS PLUMOSUS

2-inch pots.....\$4.00 per 100

ARECA LUTESCENS

Exceptionally fine stock.

5-inch pots.....\$7.50 and \$9.00 per doz.

DRACAENA MASSANGANA

Perfect plants, 6-inch pots.....\$18.00 and \$24.00 per doz.

DRACAENA FRAGRANS

6-inch pots.....\$6.00 and \$9.00 per doz.

CROTONS

We have the largest stock of Crotons in America. Well colored plants.

4-inch pots.....\$25.00 per 100

5-inch pots.....50.00 per 100

6-inch pots.....75.00 per 100

Large plants.....\$1.00, \$1.25, \$1.50 and \$2.00 each

Made-up plants.....\$2.50 to \$10.00 each

PANDANUS VEITCHII

Well colored.

4-inch pots.....\$5.00 per doz., \$40.00 per 100

ENGLISH HAWTHORN

8-inch pots, 3½ to 4 feet tall.....\$2.00 each

STANDARD PRUNUS (Plum)

Very handsome plants.....\$2.00 each

WISTARIA (Blue)

\$1.50 and \$2.00 each.

FLOWERING APPLES AND ALMONDS.

\$1.50 each.

FIGUS PANDURATA

6-inch pots, 24 to 36 feet high.....\$2.00, \$2.50 and \$3.00 each

Larger plants.....3.50, 4.00 and 5.00 each

Branch plants.....\$2.50, 3.00, 3.50 and 4.00 each

BEGONIA GLOIRE DE LORRAINE

We claim to have the largest and finest stock of this grand

Nxmas plant in America. All plants propagated from leaves

and twice shifted and shipped from 2½-inch pots, \$15.00

per 100; \$140.00 per 1000.

Special prices on lots of 5000 plants or over.

ROBERT CRAIG CO., 4900 Market St., Philadelphia, Pa.

Seed Trade

Trade Conditions.

Trade is not quite satisfactory to the seedsmen of the country, as a whole, and just what is the cause is interesting the most of the larger dealers at the present time. In some quarters it is charged to the weather—in others to local condition, but so far as can be ascertained, these local conditions appear to be country-wide. No doubt the weather has cut some figure, but it is quite possible that the real reason may be as stated by a prominent Philadelphia seedsman recently, when he said that "the average prices were too high."

There is little doubt that prices are higher than for many years, and in all probability they do control the demand to a considerable extent. It is the opinion of the writer that the rather unsatisfactory trade is due to a combination of causes, and cannot be charged to anyone, although the high price theory is probably more potent a factor than any other single one.

With the situation in Europe affecting next season's root crop, and with the prospect that the price on this line of seeds will be even higher than the present season, there seems little prospect of a material reduction in this season's figures, except possibly on peas, beans, and other annuals which are this year exceptionally high. Extremely high prices, as a rule, stimulate the home-growing of many seeds, and at the present time a notable case in point is onion seed. We believe the trade are practically unanimous in stating that onion seed is moving very slowly, and this is very largely due to the large quantities of seed grown in the onion-producing sections. There are thousands of pounds for sale in Ohio at the present time, and in the State of New York, in the onion-growing sections, large quantities of seed have been grown, and no doubt the same facts would be discovered in other states if the matter were investigated. It cannot be said that onion seed is high in price—as a matter of fact, it is one of the staples that is comparatively low, yet the demand is sluggish and very unsatisfactory. What can be done about it?

This matter of high prices should be studied by both the wholesaler and the retailer, as there is danger of killing the goose that lays the golden egg. Some growers of staple varieties of seed have missed many thousands of dollars' worth of business because of being a little too greedy to get the last farthing possible. Others, more recently, have secured this business, and the producer should bear in mind one fact, that when he loses an old customer to someone else, if the change proves satisfactory to the customer in the matter of quality of goods received, it is not always an

easy task to win the customer back. In fact it is often easier to get a new customer.

Potatoes seem to be on the downward toboggan, and where they will finally rest, is problematical. Early in the season it looked as if seed potatoes would be good property, and that the price, as spring neared, would advance. This was charged largely to the Maine crop last fall, which showed strong symptoms of rot, and it was feared that this would extend and become a very serious matter. Whatever the cause, however, potatoes are undeniably cheaper in price than three or four months ago, and as stated, the tendency is still downward.

The Government seed contract has been awarded, and a number have received plums of more or less size and value. No one concern has been given the entire contract, and it was generally believed that it would be settled in this way.

Notes.

New York, N. Y.—A new seed store has been opened by Chas. McTaggart at 123 Warren street. Mr. McTaggart was formerly with J. M. Thorburn & Co.

The following resolution was passed at the Detroit Convention of the American Seed Trade Association and ordered printed separately:

Resolved: That this Association discontinue all indefiniteness in the use of a disclaimer, and urges all loyal members to stand by the official disclaimer adopted by the Association, and by so doing strengthen the position of each and strengthen all; and that we urge the use of this disclaimer on all letter-heads, bill-heads, contracts, catalogues, seed bags, order sheets, labels, tags and other printed matter, as well as framed store cards.

Should some members desire further conditions to those stated on this disclaimer, we nevertheless urge that for the first section of their printed disclaimer they use the official wording, viz.:

"We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned."

A NEW POTATO DISEASE.

The wart disease is a new enemy of the potato crop which is attracting great attention in Europe, and which is liable to be introduced into the United States at any time. It affects the tubers, forming large rough unsightly warts, and, in severe attacks, completely destroys the crop. Once the fungus gets into the soil, it is impossible to grow a crop of potatoes on the land for several years.

The fungus which causes this disease was discovered in 1896 in potatoes grown in Hungary. It is now prevalent in many places in England and there is great danger that it may spread to Ireland. It is also found in Germany and some other European countries. It has been carried to Newfoundland, but has not yet appeared in the United States.

It is spread by using affected potatoes for seed, and, as this country imports considerable quantities of potatoes every year, there is danger that it may be introduced.

The U. S. Department of Agriculture has recently issued a circular (for free distribution) giving a brief account of this disease.

Every Florist Who Grows Asters

Should send for our Aster book immediately. Get your name on our files for our regular Florists' Wholesale Catalogue. These books are free.

James Vick's Sons
ROCHESTER, - N. Y.

Mention this paper

CLAY'S

For Fertilizing the Soil

56 lb. \$3.25

WM. ELLIOTT & SONS,
42 Vesey St., New York.

ONION SETS — POTATOES

Early Ohio Potatoes, \$1.10 bu.; Early Irish Cobblers, \$1.10 bu.; Genuine Danish Ball-head Cabbage Seed (imported stock) \$4.00 lb. All Early Radish seed (French Stock) \$4.40 per lb. Northern grown Yellow or White Onion Sets, \$2.00 per bu. All F. O. B. Syracuse. Remittance with order. Reference any bank in Syracuse.

F. H. EBELING, Seedsman
Established 1868. **Syracuse, N. Y.**

CABBAGE Wakefield and Succession.
\$1.50 per 1000. \$8.50 per 10,000.
PARSLEY 25 cts. per 100.
\$1.25 per 1000.
LETTUCE Big Boston, Boston Market and
Grand Rapids. \$1.00 per 1000.
BEET PLANTS \$1.25 per 1000.

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

ESTABLISHED 1820

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for Market Gardeners
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J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts \$1.25.....	.25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts \$1.25.....	.25
Phlox dwarf Fireball.....	.35
" " Roseball.....	.3
" " Snowball.....	.40
" " Cecily, all shades mixed.....	.35
Salvia Zangen's Fireball, fine for pots early.....	.50
Salvia Zangen's King of Scarlets late.....	.50
" " Zurich, earliest dwarf.....	.50

For Other Seeds See My New Catalogue.
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Fiske's Branching in all colors. Tr. pkt. 40c. oz. \$4.00.
Pure White, Tr. pkt. 50c. oz. \$5.00.
Also Beauty of Nice strains.

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Onion Seed Onion Sets

We are extensive growers of and
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KENTIA SEED

Per S. S. Australis to arrive this month, also other
Palm Seeds for Immediate Delivery

	Per 100	Per 1000	Per 10,000
Kentia Forsteriana.....	\$.50	\$4.50	\$40.00
" Belmoreana.....	.50	4.00	37.50
Cocos Weddelliana.....	1.00	7.50	70.00
Areca lutescens.....	1.00	7.00	70.00
Latania Borbonica.....	.30	2.50	20.00
Livistona rotundifolia.....	2.00	17.50	
" Chinensis.....	1.00	7.50	70.00
Phoenix Canariensis.....	.30	3.00	27.50
" Roebelinii.....	1.00	7.50	
Musa Ensete.....	1.00	7.50	

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FOR THE
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Price list free on request.

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LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.

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COPENHAGEN, DENMARK.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas,
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NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

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Bound Brook, - - - New Jersey

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20c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

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NEW CROP FLOWER AND VEGETABLE SEEDS FOR FORING

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Blue List of Wholesale Prices mailed
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We ship to all points in Illinois and Iowa.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

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will carefully execute orders for KANSAS
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

Worcester, Mass.—Walter E. Draper.
Wakefield, Mass.—Otto B. Runge,
Albion street.

Rochester, N. Y.—George T. Boucher,
345 Main street.

Stockton, Cal.—Mrs. Will Davis,
Idlehour Theatre Bldg.

Des Moines, Iowa.—American Floral
Co., Frank Stevens, proprietor.

BUSINESS CHANGES.

McCook, Nebr.—The Morrissy Green-
house has been purchased by M. N.
Johnson.

Newton, Kans.—The Kline Bros.
have sold their flower store in the
Post Office Bldg. to Hasler & Hassle-
mann.

Kent, Wash.—The Seattle Carnation
Co. has sold its place here and leased
one in Auburn, Wash., where it has
three greenhouses 24x200 feet.

Seattle, Wash.—Sandahl & Son now
devote their entire time to their retail
business at 120 Pike St., having sold
their nursery at Renton, Wash.

STEAMER DEPARTURES

Atlantic Transport.

Minneapolis, N. Y.—London...Mar. 26

Cunard.

Mauretania, N. Y.—Liverpool...Mar. 23

French.

La Touraine, N. Y.—Havre...Mar. 24

Hamburg-American.

Amerika, N. Y.—Hamburg...Mar. 26

North German Lloyd.

Krip'n Cecilie, N. Y.—B'm'n...Mar. 22

Koenig Alb't, N. Y.—Medit'r'n...Mar. 26

Red Star.

Lapland, N. Y.—Antwerp...Mar. 26

White Star.

Canopic, Boston-Medit'r'n...Mar. 24

Oceanic, N. Y.—Shampton...Mar. 26

Cedric, N. Y.—Liverpool...Mar. 25

Marysville, Kans.—The greenhouses
of P. A. Hammett have been pur-
chased by H. R. Fisher formerly with
Simanton & Pence of Fall City, Nebr.
The greenhouses will be considerably
enlarged in the near future.

Boston, Mass.—R. C. Bridgman has
purchased the stock and good will of
the retail florist business of Albert
Scott, 67 Beacon St. Mr. Bridgman is
also proprietor of the Newton Rose
Conservatories at Newtonville, Mass.

Pittsburg, Kans.—J. S. Steinhauser
and W. L. Packard have incorporated
under the name of Steinhauser Florist
and Nursery Co. J. S. Steinhauser is
president and general manager, W. L.
Packard secretary and treasurer. W.
L. Packard purchased one-half interest
of Mr. Steinhauser's business and the
new firm will add a number of build-
ings, four new greenhouses 27x200 feet
being among them.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

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ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems
FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



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550 South Fourth Ave.

Established 1874.

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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Send flower orders for delivery in Boston and all New England points to

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124 Tremont St., Boston

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DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

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Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

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GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE
Falmouth, Mass.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

ROBERT J. DYSART

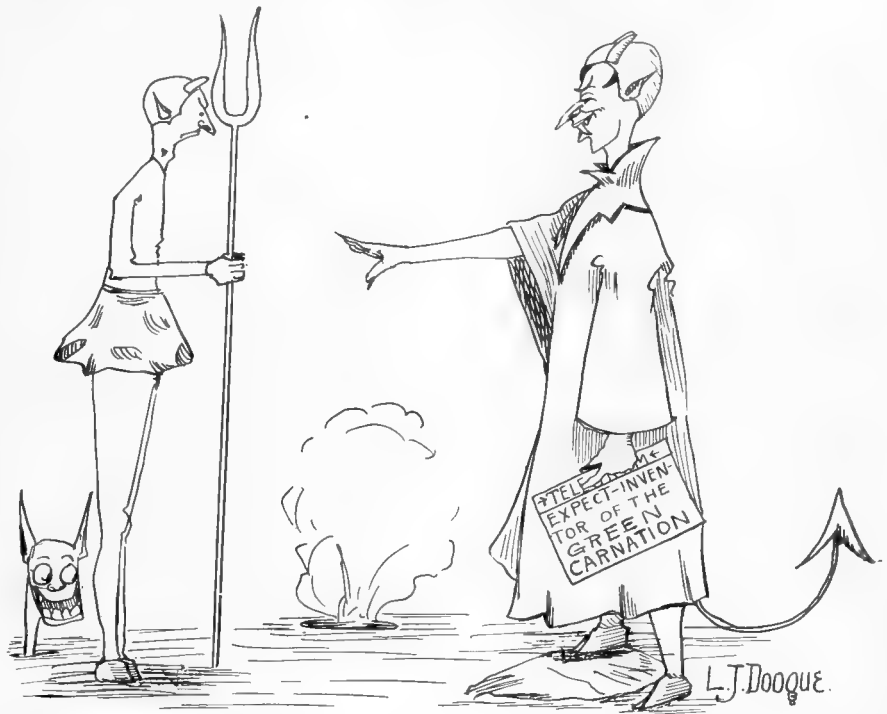
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Simple methods of correct accounting especially adapted for florists' use.

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28 STATE STREET, - BOSTON
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In ordering goods please add "I saw it in HORTICULTURE."

A HOT TIME IN PROSPECT.



His Satanic Majesty—"I have just received good news. The inventor of the green carnation is coming home at last. Now you get busy and invent a torture that will fit the crime."

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

Stewartville, Minn.—Leroy D'Lane, formerly with H. O. Hannah of Sherman, Tex., is now employed by the Estill Greenhouse Co.

NEWS NOTES.

Espy, Pa.—The greenhouse owned by Bert Miller was recently destroyed by fire.

Natick, Mass.—James Wheeler has purchased thirty acres of land fronting on Worcester St. and will immediately build a range of houses. He was formerly gardener for Joseph White of Brookline.

Cincinnati, Ohio.—A receiver has been appointed for the greenhouse and florist business of former park superintendent, Brian P. Critchell. The appointment was made in a suit filed by the Second National Bank for foreclosure of mortgage on the property.

Washington, Pa.—C. C. Phillips and Earl J. Sedman have formed a partnership under the name of Phillips & Sedman and purchased Forrest's Greenhouses with which they have been connected. Mr. Phillips will have charge of the store and Mr. Sedman of the greenhouses.

THE BEST LETTERS

FOR
FLORISTS'
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

LILIES FOR EASTER

\$15.00 per 100

We will have a large quantity of them, long and medium stems and good well hardened flowers. The indications are that the general supply is somewhat short. We advise early ordering.

Business hours: 7. A. M. to 8 P. M.

LEO NIESSEN CO.

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1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

Cut Easter Lilies

Well hardened off, long and medium stems. In quantity.

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

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51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central GO04

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N 6th Street, MINNEAPOLIS, MINN

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Mar. 15	TWIN CITIES Mar. 15	PHILA. Mar. 15	BOSTON Mar. 17
ROSES				
Am. Beauty, Fancy and Special...	30.00 to 40.00	35.00 to 45.00	50.00 to 60.00	30.00 to 50.00
Extra	25.00 to 30.00	30.00 to 35.00	35.00 to 40.00	20.00 to 25.00
No. 1	15.00 to 20.00	20.00 to 30.00	15.00 to 25.00	10.00 to 15.00
Lower grades	6.00 to 10.00	10.00 to 20.00	3.00 to 6.00	3.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.	6.00 to 15.00	8.00 to 10.00	10.00 to 12.00	6.00 to 8.00
Lower grades	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00	2.00 to 4.00
Killarney, Fan, & Sp.	8.00 to 12.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
Lower grades	6.00 to 10.00	6.00 to 10.00	4.00 to 6.00	8.00 to 10.00
Richmond, Fancy & Special	8.00 to 12.00	8.00 to 12.00	15.00 to 20.00	8.00 to 12.00
Lower grades	6.00 to 10.00	6.00 to 8.00	4.00 to 6.00	2.00 to 6.00
My Maryland	10.00 to 12.00	6.00 to 12.00	3.00 to 12.00	2.00 to 10.00
CARNATIONS, Nov. and Fan.				
Ordinary	2.00 to 3.00	2.50 to 3.50	3.00 to 4.00	1.50 to 2.00
	1.50 to 2.00	2.00 to 3.00	1.50 to 2.00	.75 to 1.25
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	35.00 to 50.00	40.00 to 50.00	40.00 to 50.00
Lilies	10.00 to 12.00	12.50 to 15.00	8.00 to 12.50	6.00 to 10.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Violets	.50 to .75	.50 to 1.00	.25 to .75	.15 to .40
Mignonette	4.00 to 5.00	4.00 to 5.00	3.50 to 3.00	1.00 to 3.00
Sweet Peas	.50 to 1.00	.75 to 1.25	.40 to .75	.50 to .75
Roman Hy. Paper Whites	2.00 to 4.00	2.00 to 3.00	1.50 to 3.00	1.00 to 2.00
Trumpet Narcis	1.00 to 3.00	2.50 to 3.50	1.00 to 3.00	1.00 to 3.00
Tulips	2.00 to 4.00	3.00 to 3.50	2.00 to 4.00	1.00 to 3.00
Gardenias	20.00 to 30.00	30.00 to 40.00	..... to	15.00 to 30.00
Adiantum	1.00 to 1.00	1.25 to 1.50	1.00 to 2.00	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 15.00	10.00 to 25.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	40.00 to 50.00	..... to 50.00	..... to 50.00
" " & Spreng. (100 bchs.)	14.00 to 40.00	25.00 to 35.00	..... to 50.00	..... to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in o's or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

Flower Market Reports.

BOSTON There is very little that we can say as to the market this week beyond the fact that it is no worse than it was last week and has a good many encouraging signs for the present and especially for the Easter blow-out. All bulbous stock continues abundant and cheap, as would be expected. Lily of the valley is as badly affected as anything in the list. Violets are overplentiful. Carnations hold their own in a gratifying manner. There are a good many small, low-grade roses about, which are disposed of with difficulty. American Beauty continues in the high-flying class and retailers are inclined to put in a demurrer when trying to make a purchase. Lilies are already beginning to brace up in value in anticipation of the Easter demand.

One of our best known **CHICAGO** wholesalers sums up the condition of the Chicago market in the one word—"unruly." It is a series of surprises and you wonder what will come next. Stock at this writing is in better proportion to the demand than it was two weeks ago. Last week it seemed as if it was a race to see whose prices would be the lowest. It was difficult to move to advantage all the good stock that the warm weather had suddenly thrust upon the market, and the medium and poor stuff sold for a song or was thrown away. Carnations fared badly, many bringing ridiculously low prices. Roses were not much better off, pink faring the worst; white held up better. Violets and sweet peas were not in the race. Bulb stock is too plentiful always, and now that the southern stock is in the excess is greater. The only stock short is asparagus and smilax. The men who are growing sweet peas are wondering where the profits are coming from. Gardenias are arriving from the East in good condition and the demand as reported by Chas. McKellar is fair. Southern bulb stock continues to arrive and the Chicago florists last week were inclined to feel as if they had troubles enough of their own.

A few springlike days have been followed by snow and a fresh edition of winter, and counter trade, which is already long delayed, will be still later in becoming active. It will no doubt result in an overwhelming rush, taxing the resources and staying powers of all to the limit. But better late than never

All kinds of stock was plentiful the past week with the exception of Bride and Beauty roses. Beauties are off crop and the heavy demand for Brides causes a shortage. The receipts of carnations were heavy, but several big openings helped clean up the market on this flower. Lily of the valley and violets were in good supply, with very little demand. Lilies of both kinds were good property and sold out clean every day. The cut of sweet peas has started up with a good call for same. There being no overproduction of bulbous stock this season, prices are firm and stock moves to good advantage. Green goods of all kinds are in ample supply with the exception of Asparagus plumosus.

(Reports continued on page 457)



Easter Plants 1910



EASTER RIBBONS AND SUPPLIES

Easter Plants 1910. Immense variety—well grown. Easter Lilies especially fine.

Easter Cut Flowers. Finest long stemmed roses—orchids, gardenias, carnations. Full Supply.

Easter Ribbons and Supplies. Everything in Florists' Ribbons and all staple florists' requisites. Send for catalog.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW ST.,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS.

PER 100.
TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Mar. 15		Mar. 14		Mar. 15		Mar. 15	
ROSES								
Am. Beauty, Fan, and Sp.....	20.00	to 30.00	20.00	to 25.00	40.00	to 50.00	40.00	to 50.00
" Extra	15.00	to 20.00	15.00	to 20.00	20.00	to 30.00	20.00	to 30.00
" No. 1.....	12.00	to 15.00	12.00	to 15.00	10.00	to 15.00	8.00	to 10.00
" Lower grades.....	3.00	to 8.00	4.00	to 10.00	6.00	to 8.00	3.00	to 4.00
Bride, 'Maid, Chatenay, F. & S.....	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	6.00	to 10.00
" Low. gr.	3.00	to 5.00	3.00	to 6.00	4.00	to 6.00	3.00	to 4.00
Killarney, Fan. & Sp.....	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	6.00	to 10.00
" Lower grades.....	3.00	to 5.00	3.00	to 6.00	4.00	to 6.00	3.00	to 4.00
Richmond, Fancy & Special.	6.00	to 10.00	6.00	to 8.00	10.00	to 12.00	8.00	to 15.00
" Lower grades.....	3.00	to 5.00	3.00	to 6.00	5.00	to 8.00	3.00	to 6.00
My Maryland.....	4.00	to 10.00	4.00	to 8.00	5.00	to 10.00	3.00	to 10.00
CARNATIONS, Novelties and Fancy								
" Ordinary	3.00	to 4.00	2.00	to 3.00	.....	to 3.00	.....	to 3.00
	1.00	to 2.00	1.00	to 2.00	1.50	to 2.50	1.00	to 2.00
MISCELLANEOUS								
Cattleyas.....	.....	to 50.00	.....	to 50.00	50.00	to 60.00	.....	to 50.00
Lilies.....	12.00	to 15.00	12.00	to 20.00	.....	to 8.00	.....	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets.....	.25	to .35	.50	to .75	.50	to .75	.50	to .75
Mignonette.....	1.00	to 1.50	6.00	to 10.00	2.00	to 4.00	2.00	to 4.00
Sweet Peas.....	.50	to 1.00	.50	to 1.00	.50	to 1.00	.50	to .75
Roman Hy. Paper Whites.....	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Trumpet Narcis.....	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Tulips.....	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Gardenias.....	30.00	to 35.00	30.00	to 40.00	.....	to 1.00	.....	to 1.25
Adiantum.....	1.00	to 1.50	.....	to 1.00	1.00	to 1.50	.....	to 1.00
Smilax.....	12.00	to 15.00	15.00	to 20.00	12.00	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	30.00	to 50.00	40.00	to 50.00	3.00	to 50.00
" " & Spren. (100 bchs.)	25.00	to 35.00	30.00	to 50.00	25.00	to 40.00	35.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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Choice Cut Flowers,

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Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.55 West 28th Street, New York
Telephones 4626-4627 Madison Square**Edward C. Horan**
Wholesale Florist

55 WEST 28th ST.

Tel. 1462 Madison Square New York

B. S. SLINN, JR.
VIOLETSSelling Agent for the Largest and Best
Growers in the Hudson River District.

55 and 57 West 26th St., New York City.

Greater New York
Florists' Association,
Inc.Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawback Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

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Madison Square New York**AUGUST MILLANG****WHOLESALE FLORIST**

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NEW YORK

'Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.**WHOLESALE FLORISTS**

383-387 Ellicott Street

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We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware Decorative Greens and Florists' Requisites**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR**
LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

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HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTYTHE HIGHEST
GRADE OF **VALLEY** ALWAYS
ON HAND

CARNEDIAS, DAISIES, ROSES AND CARNATIONS

Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
till 10 a. m.

Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

Finest Lilies in the Market Every Day in the Year.**CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Mar. 12 1910		First Half of Week beginning Mar. 14 1910	
American Beauty, Fancy and Special.....	40.00	to 60.00	40.00	to 60.00
" " Extra.....	15.00	to 25.00	15.00	to 25.00
" " No. 1.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Killarney, Fancy and Special.....	4.00	to 10.00	4.00	to 10.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Fancy and Special.....	10.00	to 20.00	10.00	to 20.00
" " Lower Grades.....	1.00	to 6.00	1.00	to 6.00
My Maryland.....	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy and Novelties.....	1.50	to 4.00	1.50	to 4.00
" " Ordinary.....	.75	to 1.00	.75	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

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55 & 57 W. 26 St., NEW YORK

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THE KERVAN COMPANYFresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

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Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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KRICK'S FLORIST
NOVELTIESManufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
 Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

**RECEIVERS & SHIP-
 PERS OF CUT
 FLOWERS.**
CONSIGNMENTS SOLICITED.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

25,000....\$1.75; 50,000....\$7.50. Sample free.
 For sale by dealers

Flower Market Reports

(Continued from page 455)

The visit of the rose
NEW YORK growers this week
 adds a little to the
 gaiety of the town, horticulturally, and
 suffices to enliven things socially
 even if it injects no new activity into
 the market. Considering that Easter
 is now only a week ahead the market
 is noticeably free from strenuosity al-
 though it cannot be said that it has
 retrograded any during the past few
 days. Of course, there is an exasperat-
 ing accumulation of some things,
 which are received in quantity every
 day far beyond the capacity of the
 market in the way of consumption.
 But outside of lily of the valley and
 bulb stock generally, low grade roses
 and violets, things are moving and the
 end of the trouble is now apparently
 in sight. It looks as though lilies of
 first quality would be a good proposi-
 tion for their possessors next week.
 Watch out.

The cut flower
PHILADELPHIA trade in Phila-
 delphia—week of
 March 7 to 12—was fairly satisfactory.
 While great quantities of flowers came
 in, mostly everything was cleaned up
 pretty well by Saturday. Easter pros-
 pects seem all right. Advance book-
 ings up to date (March 15th), both in
 cut and plants, are very favorable.
 Every indication points to a big trade.

There is nothing to
WASHINGTON say of the flower
 market situation in
 the capital city, except that the out-
 put greatly exceeds the demand. Vio-
 lets and carnations as well as sweet
 peas are a perfect glut. Thousands of
 the former are left on the plants as it
 does not pay to pick them. The spring
 weather has brought out everything in
 super-abundance, and no relief is prom-
 ised till the Easter rush. Everywhere
 the spirit of St. Patrick is apparent,
 even to the grass, which is showing
 beautifully everywhere. Shamrocks in
 3-inch pots are in the usual demand.
 Nearby violets are virtually past for
 this season. There is a better demand
 for bulbous stock than usual at this
 time. There are quantities of trailing
 arbutus on the sidewalk stands.

CHICAGO NOTES.

Trade and Miscellaneous Items.

Among the retailers are found plenty
 who think that Lent each year makes
 less difference with the florists' busi-
 ness. Harry Rowe says this year there
 has been practically no difference
 caused by Lent. He thinks indications
 are for a good Easter trade.

Spring openings at the State street



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

FLOWER CROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of
 service to you the entire season. **WHOLESALE FLOWERS ONLY.**

Established 1887
 Open 6 A. M. Daily
 Tel. 167 Madison Sq.

J. K. ALLEN

**106 W. 28th St.
 New York**

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Mar 12 1910		First Half of Week beginning Mar. 14 1910	
Cattleyas.....	35.00	to 40.00	35.00	to 40.00
Lilies.....	4.00	to 8.00	4.00	to 8.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Narcis. Paper White.....	.50	to 1.00	.50	to 1.00
Trumpet Narcis.....	1.00	to 2.00	1.00	to 2.00
Tu lps.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.20	to .40	.20	to .40
Vignnette.....	1.00	to 4.00	1.00	to 4.00
Sweet Peas (per 100 bchs).....	3.00	to 8.00	3.00	to 8.00
Gardenias.....	3.00	to 25.00	3.00	to 25.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Sprea. (100 bchs).....	25.00	to 35.00	25.00	to 35.00

department stores last week helped out
 some of the decorators and growers.
 A noticeable feature this year was the
 increased amount of natural flowers
 and plants used. One store used doz-
 ens of window boxes filled with bloom-
 ing plants and vines. Another had
 high hanging baskets of natural vines
 and in the centers concealed by the
 plants were cages of singing cana-
 ries. A white trellis, six feet wide,
 outlined balconies, etc., and was grace-
 fully draped with wild smilax. Quan-
 tities of roses, palms, etc., were used
 by all and the spring openings did
 their share to liven up business.

Destitute crippled children will have
 the benefit of the proceeds of a flower
 sale, March 26th, at the Virginia Hotel.
 If flowers continue so plentiful florists
 will not have to make a great sacrifice,
 but if flowers are scarce they will con-
 tribute just the same, for they have
 often proven their willingness to do so.

Members of the small parks com-
 mission are greatly pleased over the
 gift to the city of a piece of land by
 former Congressman Geo. E. Adams
 and wife, located on Seminary avenue,
 between Center street and Clybourne
 avenue.

Personal.

Ernest Wienhoeber has just returned
 from an eastern trip. His son, W. H.
 Weinhoeber, who accompanied him,
 stopped off at Pittsburg on his return

to take his position with H. L. Blind
 & Bros.

C. A. Alles, for fifteen years with
 Wieter Bros.' wholesale store, is
 mourning the loss of his father, Nich-
 olas Alles, organist of St. Henry's
 church.

George Peiser, who has been with
 Hoerber Bros. since their opening, six
 months ago, has resigned and accepted
 a position with Zeck & Mann on the
 15th inst.

On March 3rd occurred the wedding
 of Miss Ida Kroeschell, daughter of
 William Kroeschell, to Ernest von
 Ammon.

Visitors: J. A. Valentine, Denver,
 Colo.; H. B. Dorner, Champaign, Ill.;
 A. R. Leidiger, of Edleffsen, Leidiger
 Co., Milwaukee, Wis.; Mr. Gorley, of
 Grimm & Gorley, St. Louis, Mo.; Harry
 Philpot, Winnipeg, Manitoba, Can.;
 Fred C. Weber, St. Louis, Mo.; Edw.
 Amerpohl, Janesville, Wis.; Paul
 Beyer, South Bend, Ind.; A. M. Augs-
 burger, Peoria, Ill.; Theodore Meyer,
 Waukegan, Ill.; H. Van Teylingen,
 Hillegom, Holland; Ella Sullivan,
 Superior, Wis.

SOUTHERN WILD SMILAX

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LOUISVILLE FLORAL CO.
 Louisville, Ala.

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Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMARYLLIS SEEDLINGS

Knight & Struck, New York, N. Y.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, 5000 strong field stock, 18 to 24 live tops at 4c., also 50,000 privet, 20 to 30, 18 to 24 and 15 to 18 in. Write Benj. Connell, Merchantville, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

50,000 extra strong 2 and 3-yr. asparagus roots, mostly Palmetto, 2-yr., extra heavy, \$1.00 per 100, \$4.00 per 1000; 3-yr., very fine, \$1.25 per 100, \$5.00 per 1000, packed free. Guaranteed to please. Chas. Black, Hightstown, N. J.

Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

ASPARAGUS FOR GARDEN

Asparagus Roots and small Fruits. XX very fine. 2 years' asparagus, \$1.25 per 100; \$5.00 per 1,000. X very strong, \$1.00 per 100; \$4.00 per 1,000; No. 1, 2 year, 75c. per 100; \$3.00 per 1,000. For prices of Strawberries and other small fruit, send for circular. Chas. Black, Hightstown, N. J.

ASTER SEED

Jas. Vick's Sons, Rochester, N. Y.
For page see List of Advertisers.

AUCTION SALES

The Fruit Auction Co., New York, N. Y.
Wm. Elliott & Sons, 42 Vesey St., New York, N. Y.

AUTOMATIC CIRCULAR

W. W. Castle Co., Boston, Mass.

AUTOMATIC SPRAYING MACHINE

J. G. Mastin & Co., Chicago, Ill.
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AZALEAS

A. Leuthy, Roslindale, Mass.
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Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.
For page see List of Advertisers.
Peter Henderson & Co., New York, N. Y.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
For page see List of Advertisers.

BAY TREES.

2000 Bay and Box Trees in all sizes. Pyramid and Standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

Edward Wallis, Atco, N. J.
For page see List of Advertisers.

BEGONIAS

Robert Craig Co., Philadelphia, Pa.
Lorraine, Young Stock.
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J. A. Peterson, Cincinnati, O.
Seedling "Glory of Cincinnati."

Henry A. Dreer, Philadelphia, Pa.
Tuberous Begonias.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.
For page see List of Advertisers.

BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., New York.

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A. T. Boddington, 342 W. 14th St., N. Y.

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Rickards Bros., 37 East 19th St., New York.

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Henry F. Michell Co., Philadelphia, Pa.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Bermuda Lilies.

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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

French Bulbs, Horseshoe Brand.

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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

French and Dutch Bulbs.

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H. E. Fiske Seed Co., Boston, Mass.

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E. S. Miller, Wading River, N. Y.

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CANNAS

Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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The E. G. Hill Co., Richmond, Ind.
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A. C. Brown, Springfield, Ill.
Carnation Sangamo.

Wood Bros., Fishkill, N. Y.
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Edward Wallis, Atco, N. J.
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Skidelsky & Irwin Co., Philadelphia, Pa.
Rooted Cuttings.
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Cottage Gardens Co., Queens, L. I., New York.

Alma Ward and Mrs. C. W. Ward.
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J. D. Thompson Carnation Co., Joliet, Ill.
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Jos. Heacock Co., Wyncote, Pa.
Carnation Dorothy Gordon.
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I. M. Rayner, Greenport, L. I., N. Y.
Rooted Cuttings.
For page see List of Advertisers.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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Edward Wallis, Atco, N. J.

Rooted Cuttings.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hardy Pompon Chrysanthemums.

Chrysanthemums, strong, well rooted cuttings, from bench-grown stock, guaranteed to give the best of satisfaction.

1000	1000
Mme. Touset. \$10.00	W. Bonnaffon. \$10.00
Bergman, early	Y. Bonnaffon. 10.00
white 15.00	Yellow Eaton. 15.00
Mrs. Robinson. 10.00	White Eaton. 15.00
Oct. Frost. 10.00	G. Pacific. 10.00
Ivory 10.00	Chadwick 15.00
Pink Ivory. 10.00	

Golden Glow. \$20.00 per 1000. This is the earliest and best money maker of all mums.

We have good R. R. service, 24 express trains daily.
Swan Peterson Floral Co., Gibson City, Ill.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

For List of Advertisers See Page 463

CHRYSANTHEMUMS—Continued

Chrysanthemums R. C. Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria \$4.00 per 100; \$35.00 per 1000. Virginia Poehlmann, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Gloria, a large, early Enchantress colored 'mum. R. C. now ready, 25, \$1; 100, \$3.75, prepaid. Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Pompons, field clumps, 4c; the lot of 1000, \$30.00. Hugo Kind, Hammonont, N. J.

CLEMATIS

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

COLEUS

Coleus rooted cuttings, good varieties, 60c. per 100; \$5.00 per 1000. Swan Peterson Floral Co., Gibson City, Ill.

CONCRETE PLANT PROTECTORS

J. H. Haley, Munich, Mich.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen splendens giganteum hybrids. The strain which I offer is unsurpassable. August seedlings twice transplanted from flats, in five colors, including fringed varieties, \$3.00 per 100. \$25.00 per 1000; from 2½-in. pots, \$5.00 per 100, \$45.00 per 1000. Paul Mader, East Stroudsburg, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Acto, N. J.
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J. L. Moore, Northboro, Mass.
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Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yotive, The Baron, other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, Kriemhilde, Wm. Agnew, Zulu and other varieties, strong divisions, 5 cts. each; also Gladiolus, Groff's Hyb. seedlings, \$1.00 per hundred. E. R. Macomber, 20 Leonard St., Woodfords, Maine.

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Daisy Queen Alexandra, from 2½-in. pots, \$2.50 per 100. Cash.
O. B. Kenrick, 52 Alexander, Belmont, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Godfrey Aschmann, Philadelphia.

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EASTER FLOWERS AND PLANTS

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August Millang, 41 W. 28th St., New York, N. Y.

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E. C. Horan, New York, N. Y.

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Moore, Hentz & Nash, New York, N. Y.

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Anton Schultheis,

College Point, L. I., N. Y.

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Thos. Roland, Nahant, Mass.

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F. R. Pierson, Tarrytown-on-Hudson, N. Y.

Select Ferns.

Anderson's ferns for in and outdoors.

Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock

Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.

Evergreen Brand Fertilizer.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100. 3-in. \$4.00 per 100. Mme. Salleroi out of 2 inch, fine plants, \$2.00 per 100. Verbenas out of 2 inch, separate colors or mixed, \$2.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirler, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

GLADIOLI

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Arthur Cowee, Berlin, N. Y.

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E. S. Miller, Wading River, L. I., N. Y.

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John H. Umpleby, Lakeview, N. Y.

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Gladioli. Independence, the best red in the market; also Mrs. Frances King, Giant Pink, Augusta and Groff's hybrids, genuine stock. Write for prices. Geo. S. Woodruff, Independence, Iowa.

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

In writing to Advertisers kindly mention Horticulture

GLADIOLI - Continued

Buy Independence gladiolus direct from home. We grew the stock that was introduced in 1908. Planting sizes cheap for cash. G. D. Black & Co., Independence, Iowa.

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

Gladiolus seed from choice mixture, \$2.00 per lb. C. V. Woodruff, Orange, Conn.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladioli Mrs. Francis King, \$3.00 per 1000; also other choice sorts cheap. Cash. P. O. Coblentz, New Madison, Ohio.

GLASS

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

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GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

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GREEN CANE STAKES

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Assn. of America.
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HYDRANGEAS.

Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2½-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

Hydrangea arborescens grandiflora. We have the largest stock of strong, 2-year plants in America. Plants 2 to 3 ft., \$2.50 per doz.; \$15.00 per 100; \$140.00 per 1000; good plants, 15 to 20 inches, \$10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Palthroppe Co., Owensboro, Ky.

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Stump & Walter Co., New York.
Kiln-dried Tobacco Dust.

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Scalecide.

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Aphine.

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Bowker Insecticide Co., Boston, Mass.
Lime-Sulphur Insecticide.

IRIS

E. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IRON VASES

Walbridge & Co., Buffalo, N. Y.
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IVIES

Ivy, English, pot grown plants, 4 in. pots, 3 ft. long, 3 to 5 branches, \$12.00 and \$15.00 per 100. A. L. Miller, Jamaica, opp. Schenck Ave., Brooklyn, N. Y.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.

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Home-Grown, Established Plants.

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Home Correspondence School, Springfield, Mass. Dept. 8.

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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

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German Nurseries and Seed House,
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Nursery and Florists' Products.

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Morris Nursery Co., New York, N. Y.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

OLD ENGLISH GLAZING PUTTY

Hammond's Paint & Slug Shot Works,
Fishkill-on-Hudson, N. Y.

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Burmese Dendrobiums and Other Seasonable Orchids.

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Fresh Imported and Established Orchids.

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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Largest stock in the country. Ask for prices.
J. J. Roehrs, Rutherford, N. J.
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C. W. Brownell Co., Walden, N. Y.
Orchid Peat (Osmunda Fibre).
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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PECKY CYPRESS BENCHES

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PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

Henry A. Dreer, Philadelphia, Pa.

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
Double Petunias.
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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

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Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trelises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Henry A. Dreer, Philadelphia, Pa.

Davis Cooperage Co., Martinsville, Ind.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Rousderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch, 2c.; Obconica gigantea, mixed, 2 inch, 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. Fink, Pottstown, Pa.

PRIVET

Golden privet, Ligustrum ovalifolium aureum, the most beautiful hardy hedge plant. 1000 field-grown three-year-old, \$10.00 per 100; 600 in 2-in. pots, \$5.00 per 100. Bertermann Bros. Co., Indianapolis, Ind.

California Privet, 10 to 15 inches, branched, \$10.00 per 1000; larger sizes at low rates. E. Y. Teas, Centerville, Ind.

RED CHRISTMAS FLOWER NOVELTY

L. I. Neff, Bellevue, Pa.

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Waban Rose Conservatories, Natick, Mass.
White Killarney and Other High-Grade Roses.

Arthur T. Boddington, New York, N. Y.
Decoration Day Roses.

ROSES — Continued

Roses—Apricot, Franz Deegen, F. E. Willard, Enchantress, Mrs. B. R. Caut, Wellesley, Pink Cochet, Burbank, Champion of the World, Kaiserin, Red La France, Mme. A. Chateau, White La France, Mme. Neil, Gruss an Teplitz, White Cochet, Souv. de P. Notting, Duch. Brabant, Marie Lambert, Safrano, Yellow Rambler, Tausendschon, Philadelphia Rambler, White Baby Rambler, 2½-in., extra heavy, \$3.00 per 100; \$25.00 per 1000. Write for prices on two-year-old plants. Wagner Park Conservatories, Sidney, Ohio.

The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SALVIAS

Salvia rooted cuttings, Bonfire and Spotted Beauty, \$1.00 per 100, \$8.00 per 1000; 2½-in., \$2.50 per 100. Swan Peterson Floral Co., Gibson City, Ill.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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John C. Meyer & Co., Boston, Mass.

SMILAX

Louisville Floral Co., Louisville, Ala.
Southern Wild Smilax
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Smilax, strong, 1-yr., with nice tubers. 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

In writing to Advertisers kindly mention Horticulture

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.

SPHAGNUM MOSS

Sphagnum moss, best quality, 75c. per bale; 10 to 40, 60c. each. Cash with order. Write for prices on larger quantities. L. Amundson & Son, City Point, Wis.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

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SWEET PEAS

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THYME

Thymus citriodorus aureus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild Plant Improvement Gardens, Santa Ana, Cal.

TRITOMAS

Tritoma Pfitzerii, red hot poker plant, \$6.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
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Transplanted G. R. lettuce plants, \$1.50 per 1000; from seed bed, \$1.00 per 1000. Elvira Clark, Chelsea, Mich.

VENTILATING APPARATUS

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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

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William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

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LILIES IN THE HOME GARDEN.

E. S. Miller of Wading River, N. Y., was the lecturer at Horticultural Hall last Saturday morning in the weekly course under the auspices of the Massachusetts Horticultural Society. His subject was "Lilies in the Home Garden," and the lecture was illustrated by a series of beautiful stereopticon views, colored by Mrs. Cornelius Van Brunt. Mr. Miller gave a lively and entertaining account of the history of the lily, of which he said about 150 species are known. The "lily of the field" mentioned in Scripture was probably not a lily, but an anemone.

The culture of lilies varies with conditions of climate and soil. Directions for growing were given, also for raising *L. tenuifolium* and others from seed. The beds are covered with hay or excelsior in the early stages of germination. Two of the reasons why lilies are not more generally grown in the home garden is because dealers too often recommend as reliable species which are not hardy in our variable climate. Many lilies cannot stand our hot, dry summer. To raise them successfully we must produce artificial conditions which resemble the natural conditions in which they originated. Rockwork, plenty of moisture and some shade give favorable conditions.

Many amateurs do well by planting lilies among shrubbery. Soil is not as important as drainage. Planting should be done in October. Small bulbs should be planted three inches deep, and the largest bulbs from eight to twelve inches. The lily has few insect enemies, and it is one of the most desirable of all flowers for the garden.

In the discussion which followed Mr. Miller's address, E. H. Wilson gave some very interesting information regarding the native lilies of China.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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WANTED

A first class man as manager of a large commercial place where roses and carnations are grown; must have had experience and be competent to take full charge; good salary to right man. In answering give full particulars as to experience.

Grower, care of HORTICULTURE.

AN EXPERIENCED NURSERYMAN

For propagating shrubs, herbaceous and bedding plants. State references, age and wages wanted. Address

Rhode Island Nurseries, Newport, R. I.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—A working head gardener; a man capable and experienced with glass and outside garden; married, not more than two children; furnished cottage. Apply to R. J. Farquhar, 6 So. Market St., Boston.

WANTED—Three experienced rose growers to take charge of section in large rose growing plant near Boston. Address with copy of references, to E. B. Care HORTICULTURE.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

WANTED—A sober, reliable, all round man for a commercial place. Steady position for the right man. Address Geo. E. Felch, Ayer, Mass.

SITUATIONS WANTED

WANTED

Situation by married Scotchman as gardener on private place. Well up in general work in greenhouse and outside. Best of references.

R. S. D. Care Horticulture.

GARDENER—Wishes position—Single man, 36 years of age, 20 years' experience as gardener. First-class florist, fruit and vegetable grower under glass and outdoors. Wishes position on gentleman's estate. Best of references. Please state full particulars, 86 Western ave., Morristown, N. J.

By a head gardener and florist; good designer, private or commercial place. 23 years life experience with present employer. Please state wages and particulars in first letter. Address, Benj. W. Carter, 16 Fort Street, Quincy, Mass.

SITUATION WANTED—Andrew Morrison, late with Curwen Hoddert, Rydal, Pa., and E. P. Wright, Duarte, Cal., is open for engagement in a good private place. Address him, care HORTICULTURE, 9th and Market Sts., Phila.

INCORPORATED.

Fredonia, N. Y.—J. H. Larder Floral Co.

Dundee, Ill.—The D. Hill Nursery Co., capital, \$25,000. David Hill, Geo. W. Hill, Arthur Hill and Vernon D. Hill, incorporators.

Walden, N. Y.—The C. W. Brownell Co., capital, \$20,000. C. W. Brownell, R. C. Brownell, L. D. Brownell, all of Walden. Will grow and deal in ferns, flowers, plants, etc.

APPRAISERS' DECISIONS.

No. 22853.—Evergreen Seedlings.—Protest 380,652 of Maltus & Ware (New York). Opinion by Waite, G. A.

Protest sustained, the merchandise being held dutiable as evergreen seedlings under paragraph 252, tariff act of 1897.

No. 22,842.—Baskets.—Protest 384,856 of L. Wertheimer (New York). Opinion by McClelland, G. A.

Protest sustained as to baskets. Morimura Brothers v. United States (167 Fed. Rep., 687; T. D. 29,566) followed.

FOR SALE

GREENHOUSE FOR LEASE

For term of years, retail greenhouse business and store. Greenhouse about 25,000 ft. glass, practically new, with iron gutters, solid concrete beds and walks. Small cost for repairs. Particulars on file at this office.

T. H. care HORTICULTURE

FOR SALE—Greenhouse property with or without stock; 4 houses, with 6000 ft. glass; also barn and sheds; room for more houses. Greenhouses one year old. Second floor barn finished for living purposes. Gerudt & Co., Room 1008 Union Bldg., Newark, N. J.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

SPRING FLOWER SHOW AT PHILADELPHIA.

The annual spring show, March 15, 16 and 17, under the auspices of the Pennsylvania Horticultural Society was augmented this year with the exhibits of the National Association of Gardeners, who held their third annual convention in Philadelphia on the above dates. Many of the regular prizes of the P. H. S. were not offered because N. A. G. premiums were ample to bring out a good show. The exhibits as a rule showed high skill in culture, and were very creditable to all concerned. Azaleas, lilies, roses, hyacinths, tulips, daffodils, and the usual line of Easter flowering subjects comprised the bulk of the display. Two handsome specimens of palms (*Caryota sobolifera*) one facing the stairway the other gracing the center of the hall, came from Clement B. Newbold's and helped to take some of the bare effect off the show, but there was a great lack of good palms and other foliage plants, such as should always be present in an exhibition of this nature to tone down and relieve the blaze of color and give rest to the eye, and a general sense of pleasure to the visitor. By "visitor" is meant the general public, of course, as they are the object aimed at in all shows. The principal prize winners were: Winthrop Sargent, Fishkill on Hudson, N. Y., gar. F. C. Whitney; P. A. B. Widener, Ogontz, Pa., gar. W. Kleinheinz; John Wanamaker, Jenkintown, gar. J. H. Dodds; Jno. W. Pepper, Jenkintown, gar. William Robertson; Countess Santa Eulalia, Elkins Park, gar. Thos. Gaynor; Clement B. Newbold, Jenkintown, gar. Samuel Batchelor; Prof. H. F. Osborne, Castle Rock, Garrison, N. Y., gar. James Bell; Mrs. F. C. Penfield, Germantown, gar. Jno. McCleary; Mrs. W. L. Elkins, La Mott, gar. Jno. Hedland; J. W. Geary, Chestnut Hill, gar. James Bell; Miss Gertrude Ely, Bryn Mawr, Pa., gar. R. W. A. Schneider; A. C. Zvolanek, Bound Brook, N. J.; R. B. Ellison, Bryn Mawr, gar. Apel Landroth.

The Waterer premium for hyacinths and other bulbous stock brought out a splendid display—two long tables running from side to side of the hall being entirely filled. The high quality of the Waterer bulbs and the skill of the growers were both well illustrated here. This section was a Mecca for everybody, and showed what can be done for the education of the public when brains and money are back of it. The Michell premiums were along the same general lines and brought out a fine display.

The stage circle was occupied by a large number of small plants, foliage and flowering, from the Dreer greenhouses at Riverton—begonias, anthuriums, ferns, palms, etc. The gems of this collection were the Cocos Weddeliana, absolutely perfect in health and finish—and the admiration and despair of all good palm growers.

There were but two groups of foliage and flowering plants. First prize went to Mr. Batchelor who had a rich and effective showing of rare plants the most striking being the wistarias, laburnums and lilacs. Mr. Robertson's group was splendid from an artistic viewpoint and many good judges liked it even better than the other.

The men who had the deciding cer-

tainly had a hard struggle between these two. Dreer, Michell and Waterer all had attractive displays of seeds, bulbs and sundries.

A pyramid Lady Gay and a balloon Farquhar rose graced the main stairway, showing the splendid things that can be done with these ramblers. They were some four feet high and three feet through and carried thousands of blossoms. William Kleinheinz and William Robertson were the artists in this connection.

Nephrolepis Schoelzeli held the center of attention in the fern department. This variety has come rapidly to the front and from its healthy growth, fine habit, dark deep green crested fronds, seems to be the king of all the crested nephrolepis. Dreers were the pioneers in this and their good judgment is being borne out by the experience of others. Empress Elizabeth stocks, Calla Rossi and Solfaterre, were bright little stars in the general galaxy.

Lager & Hurrell had a collection of orchids comprising about twenty-five species and were the center of attention with the lovers of these aristocrats of the floral world. Their genial representative had his hands full taking orders and answering questions. Alphonse Pericat also had a good collection of orchids on exhibition. William Kleinheinz took the first prize for specimen orchid plant with Schomburgkia undulata, seven feet high, three feet diameter, eight flowering stalks, each umbel carrying from 15 to 25 flowers.

Cineraria stellata appeared in many groups and was well done as a rule and a great feature. Cineraria grandiflora was also in good evidence. It seems rather unfair to pit the very dwarf against the half-tall form of this. Most judges will give the prize to the bigger plant even if the flowers be equally good. Mr. Robertson won an honor on this on size, and strange to say, lost it for the same reason with *Primula obconica*. In the latter the prize winning lot didn't show anything like the flowers in Robertson's, but they were bigger plants. Cyclamen and amaryllis were both well represented.

A variegated Asparagus Sprengeri and a variegated pineapple (*Ananas sativa*) were attractive novelties. The latter would make a good badge for the Ananias Society, perhaps. On second thought, no. The members of that society get their finest work in in the dark, and the last thing they'd think of is proclaiming themselves by wearing a badge.

We must say a good word for *Acanthus montanus*. Of course, it's only a thistle, but it is dwarf and has really handsome leaves of the loveliest deep green. *Primula Sieboldi*, *Phlox canadensis*, *Myosotis semperflorens*, *Iris pumila hybrida*, *Roses Walter Speed*, Mrs. Aaron Ward, Geo. C. Wand, Margaret Molyneux, The Lyon, Harry Kirk were among the good things exhibited for the Dreer prizes.

Lord & Burnham Co. had a nice alcove at the head of the stairway with a display of framed photos on the walls, showing specimens of their greenhouse building, etc. Mr. Tuthill called the erection an Irish pagoda. The form of their stand was in honor of the saint, of course. D. T. Connor ably represented his firm and dissemi-

nated much useful information to an eager and anxious public. They also had a good exhibit of glass and slat cold-frames on exhibition.

Kleinheinz and Zvolanek were the sweet pea kings. Greenbrook, Mrs. Chas. Totty, No. 45, No. 107, were especially fine.

The cut carnations and roses were excellent and made a great feature. Kleinheinz, Dodds, Robertson, Gaynor and Batchelor all shone in this section. Jno. McCleary won first on the best display of cut flowers of bulbous stock. This was a good feature and brought out a fine display. The *Dieleytras* from Robertson's were a splendidly done lot. Of course, this ought to be *Dicentra*, but they had bad spellers in Holland once so the *Dieleytra* error still continues.

The challenge prize for the most points—given to the biggest prize winner in the show by the Pierson U-Bar Co.—was won by W. Kleinheinz with 46, the second being William Robertson with 29, third, S. Batchelor with 21.

G. C. WATSON.

LILIES AT EDGAR'S.

One of the show places in the Boston district, particularly at Easter time, is the W. W. Edgar Co.'s place at Waverley, Mass. On Saturday of this week the annual visit of the members of the Gardeners' and Florists' Club of Boston to inspect the Easter display will take place on invitation of Mrs. Edgar, who takes pleasure in perpetuating this custom established by the late Mr. Edgar many years back. The visitors will find much to praise and admire this year. Herman Barsch, who has been for a number of years foreman at this plant, is well known as one of our most reliable and skillful growers, and what he has to present from year to year is always creditable to his ability as a plantsman, but this year he has outdone himself and no better demonstration of the skill of the modern commercial plant grown can be asked for than is here presented, in a season particularly unfavorable and an Easter which is so early.

The lilies are said by competent judges who have had the privilege of inspecting the stock of many of the largest growers from Chicago eastward, to be the best in the country and never excelled and rarely equalled in America up to the present time. The multiflorums and giganteums are superb, particularly the former, which seem to have outgrown the disease which has been such a handicap in former years and taken a place distinctly in advance of the giganteums. But beyond all and incomparable in size, texture and abundance of bloom is the *Formosa* stock. As seen at W. W. Edgar Co.'s this is the lily par excellence, and it is a refreshing treat to see the noble carriage and rich luxuriance of this newcomer which seems to possess all the qualities which the lily grower has been sighing for.

There are azaleas of the most approved sorts, hydrangeas with no suggestion of hurrying or necessity therefore, acacias, genistas, and Rambler roses in profusion. The plant industry will thrive whilst we have such exponents of its best possibilities as the W. W. Edgar Co., and Thomas Roland, whose Easter stock we described last week.

DURING RECESS.

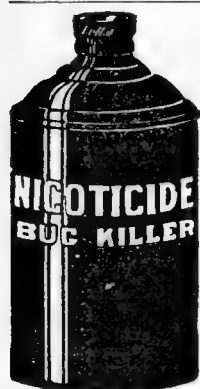
Lenox Horticultural Society.

Alfred Jenkins is the chairman of the committee of arrangements for the annual banquet of the Lenox Horticultural Society, to be held in Curtis Hotel, March 30th. It has been decided to allow members of the society to invite ladies. George Foulsham, president, will preside at the post-prandial exercises.

Grand Trunk Horticultural Society.

The celebration in commemoration of the sixth anniversary of the Grand Trunk Horticultural Society, Battle Creek, Mich., occurred on the evening of March 2nd in the large assembly room of the new offices. It was the most successful one ever held and the attendance was large.

The entertainment consisted of instrumental and vocal selections and sleight of hand performances; dancing followed. Hon. John W. Bailey acted as chairman.



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Bug Killer and
Bloom Saver**

For PROOF

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OWENSBORO, KY.

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The best of all
the tobacco
dusts for
Dusting or
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25 lbs. \$1.00	100 lbs. \$3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

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Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection, window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen kinds, designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street. BOSTON

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 15 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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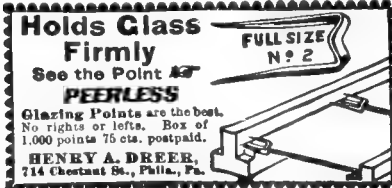
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Agriculture for Schools of the Pacific Slope, by E. W. Hilgard, Professor of Agriculture, University of California, and W. J. V. Osterhout, Assistant Professor of Botany, Harvard University. Published by The MacMillan Co., New York.—It is generally admitted that at the present time no more worthy and useful study can be given a place in our schools than that which imparts a knowledge of soil tillage and plant growth. We are convincingly impressed with the value of the book before us as we turn over its pages and note how comprehensive is the field it takes in, how concisely and plainly the fundamental facts in such a wide range of subjects are stated and how interestingly both illustrations and text matter are presented to the eye and understanding of the pupil. The topics of the needs of plants, how these needs must be supplied, how plants are improved, methods of crop increase, fertilizers, foes of the plant, diseases, garden vegetables, fruit and flowers, farm animals, are all covered in detail in the 28 chapters which are splendidly illustrated by over two hundred drawings, half-tone views and wood cuts. The publisher's price is \$1.20 net. Copies of the book can be supplied from this office.

A contract for reconstructing portions of the Garfield Park conservatory, at a cost of \$56,122, was let to Henry Sierks and John Langelan at a special meeting of the west park board March 10. This includes repairs to the glass roof, out of which 110 panes of glass were blown last Sunday, show house, stove house, aquatic house, conifer house and economic house.

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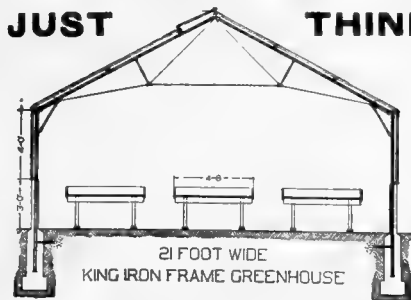
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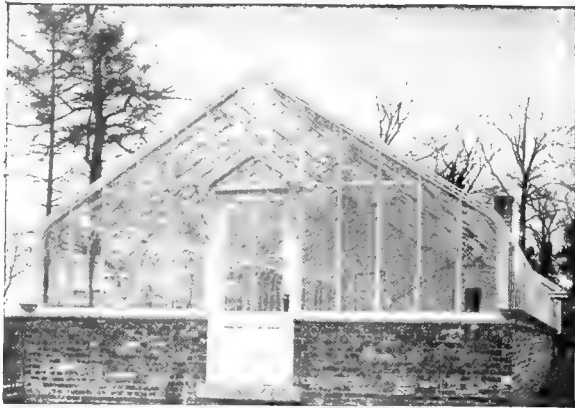
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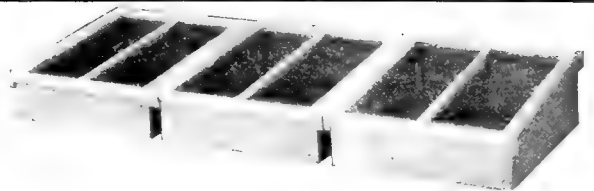
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HORTICULTURE

Vol. XI. MARCH 26, 1910 No. 13



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With American Rose Society Guests

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SWEET PEAS, DAHLIAS, GLADIOLI, LILIES, MARKET GARDEN STRAINS OF VEGETABLE AND FLOWER SEED, HARDY AND TENDER PLANTS, POTATOES, SMALL FRUITS, LAWN GRASS, FERTILIZERS, INSECTICIDES AND SPRAYERS.		

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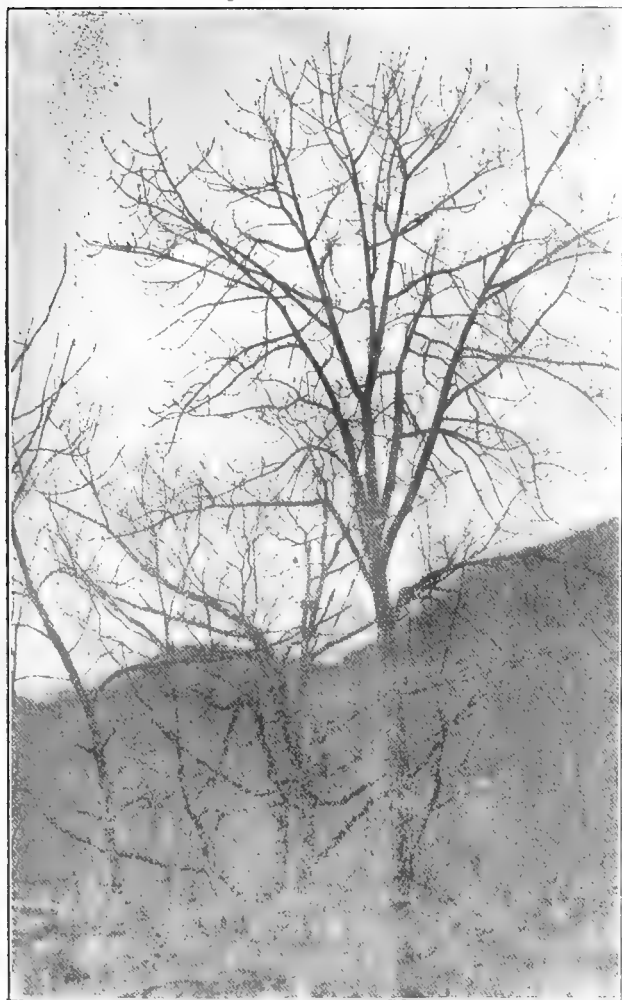
Plant Novelties From China

Botanically the most remarkable feature of the Chinese flora is its close affinity with the flora of the Atlantic States of this country. The trees of China emphasize this affinity in an extraordinary manner. China has its own Tulip tree, Yellow-wood, Sassafras, Tupelo, Coffee-bean, etc., etc., just as this country has, and in the case of several of these the differences between the representatives of the two continents are extremely slight. The mixed forests of China are composed of species belonging to the same genera which form our forests here. Several of these genera extend right around the temperate regions of the Northern Hemisphere, but in nearly every instance the Chinese species are more nearly related to the American than the European. Much work remains to be done before we can claim to have, in any sense of the word, a complete knowledge of the forest flora of China. So far approximately 550 species of trees are known from China, and this number, incomplete as it is, is considerable in excess of the number of trees found in this country, though the territory here is considerably greater.

To prove the value of new trees, their adaptability to climate, and what not, longer time is necessary than for the other subjects dealt with in these articles and the writer in this, his last article, is not prepared to say



POPULUS LASIOCARPA



POPULUS LASIOCARPA
65 ft. at Home.

very much on this subject. The object of this series of articles has been to endeavor to bring under general notice certain new plants of proven merit which can be obtained right now by those interested. In the case of trees obviously less is known to date and this precludes any extended notice of them for the time being. There are, however, two, unique in their way and of outstanding merit, which are obtainable at the moment, and these articles would be incomplete were mention of them omitted; namely, *Davidia involuerata* and *Populus lasiocarpa*.

The *Davidia* is perhaps the most remarkable and ornamental flowering tree in the whole temperate flora. This tree is a near relation of our native *Cornus florida*, although the relationship is not very obvious to the uninitiated. The *Davidia* is a tree, 40-60 ft. high, pyramidal in part, after the manner of a wild pear tree. The leaves resemble those of a lime or a mulberry and are either smooth or hairy below. The flowers are borne on short spurs as in many fruit trees and the ornamental part consists of two bracts which subtend the flowers proper. These bracts are opposite, ovate, and unequal in size. The largest measures 6-8½ inches x 3-4 inches. The lesser 3-6 inches x 2-3 inches. The bracts unfold with the leaves but reach their full size by the time the leaves are three parts grown. At first green, the bracts soon become snow white, and being membranous in texture, are pendulous. The gentlest zephyr moves them and they forcibly remind one of an army of giant butterflies flitting hither and thither amongst the leaves. The tree is very free-

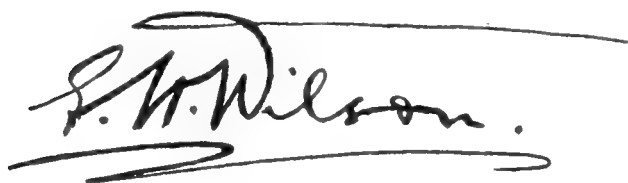
flowering and when in full bloom looks from the distance like a green pyramid heavily flecked with snow. On a dull day and in the evenings it is particularly conspicuous, standing out in sharp contrast from all its neighbors in the woods and forests.

Davidia is quite hardy in the Arnold Arboretum, where it has stood out for several years now. In Mons Vilmorin's garden, at Les Barres, France, where three plants were raised from seeds sent there by a missionary some years ago, it has flowered several times, and last year fruited. In England trees eight years old, raised from seed sent there by the writer, are now upwards of 12 feet high, and may be expected to flower before very long.

This *Davidia* was the special object of the writer's first journey to China, and upwards of thirteen thousand plants were raised from seed sent home. These have now been distributed far and wide and in the near future, when its merits are fully known, this tree will probably be more generally in demand than any other ornamental flowering tree.

Populus lasiocarpa is a magnificent tree with the largest and most handsome foliage of any of the family. This new poplar is a denizen of moist woods and forests, where it forms a shapely tree 50-70 ft. high. The leaves are broadly cordate, pointed, upwards of a foot in length, and correspondingly broad. In adult trees the foliage shows no marked diminution in size.

In China some forty odd species of Maple occur. Many of these are now in cultivation and show much promise of being both hardy and ornamental. Then we have many flowering trees belonging to Rosaceae and other families; new Magnolias, Oaks, Ashes, Walnuts, Chestnuts, Birches, Beeches, Hornbeam, Willows, etc., etc. There will be no dearth of new trees for many years to come, and, in all earnestness, those interested will do well to visit the Arnold Arboretum more frequently in the near future than maybe they have done in the past. With a hearty *au revoir* to HORTICULTURE and its readers the writer now lays down his pen and takes up his traveling kit, bound once more for the back blocks of Far Cathay.



Our readers will, no doubt, part reluctantly with our distinguished correspondent and we shall all keenly miss his interesting and instructive weekly letters.

It is with much pleasure, therefore, that we are enabled to announce that Mr. Wilson will not be entirely lost to the readers of HORTICULTURE while absent, as it has been arranged, with the cordial approval of Prof. Sargent, that such notes of new discovery and incidents of interest to horticultural readers as may come from the explorer, will appear in HORTICULTURE from time to time as received.—Ed.

Important

Intending exhibitors are reminded that the rules relating to the great orchid show which is to be held in Boston during the last week in May, require that all entries in the competitive classes shall be made previous to April 1. There are only four days left for those who have not already made entry in which to do so in compliance with the rules.

Trans-Atlantic Notes

A HARDY COMPETITOR IN CARNATIONS

A variety of the hardy out of doors carnation has at length been raised in the Swiss canton Graubunden by Mr. H. Spengler-Aibli, a florist at Chur, who has for many years been engaged in the improvement of carnations, and more particularly with the intent of obtaining a perfectly hardy race. His latest achievement is the variety *Ruhm von Chur*, which has flowers of gigantic dimensions, the perfection of shape and coloring, and of fine quality as a cut flower, and quite the equal of the American carnation, according to M. Thos. Schweizer of Zurich, who has an article about it in the "Gartenwelt" for March 5, last.

Graubunden, and the Engadine, have been famous for carnation culture for generations, and their productions have been the wonder of the many foreign visitors to these parts of Switzerland. The plants are quite at home in the mountain air of the place, and may be grown in the valleys likewise, with considerable success, and far beyond the Swiss frontiers. The variety *Ruhm von Chur* has been grown in the open air for five winters without protection of any sort, at Chur, by the Zurich See and in southern Germany; and has established its reputation for complete hardiness. The bloom is of a light rose pink, has a fine shape, is borne on a stout stalk 18 to 24 inches high and needs no support. The flower opens well even in bad weather. A second harvest of flowers is obtained in the autumn.

JUBILEE BULB SHOW AT HAARLEM

This show that is organized by the General Bulb Growers' Society of Haarlem will be opened to the public by H. R. H. Prince Henry of the Netherlands on March 25. A building has been erected for plants and flowers; but owing to the available area having been planted in the autumn with bulbs, no other buildings can be erected. The exhibition will offer attractions from the time of opening to the finish at the end of May. The international jury will assemble in March and April, under the presidency of Mr. de Marez Oyens, ex-minister of commerce, and present President of the Netherlands Federation of Horticultural Societies.

CISSUS NJEGERRE

There is figured in the "Gartenwelt" for February 19 of the present year, a species of wild vine under the name given above. According to H. Strauss of Dahlem Botanical Garden, Berlin, ripe seeds of this plant were gathered in 1903 by Privy Councillor Engler, director of Dahlem, near Amani in German East Africa, where, in the primeval forests it is widely distributed, growing to the tops of the tallest trees, and hanging in beautiful festoons. The seeds vegetated at Dahlem and many of the plants have been raised at that place and are growing luxuriantly. The plant resembles *C. adenopodus* (Sprague) from Uganda very closely, but from which it chiefly differs in the hairy flowers; and from *C. Buchananii* (Planch) from the Zambesi region, in the ternate

Iris Xiphium, syn. Iris hispanica

Iris xiphium, or the Spanish iris, as it is commonly called, is in my opinion the handsomest species of xiphion—or bubous section. Being a native of the Pyrenees mountains, in spite of its southern home it has proven perfectly hardy and under cover well endures even the frigid winters of our northern states. The deeply channeled linear leaves are from $\frac{1}{8}$ to $\frac{1}{4}$ inch wide and seldom exceed one foot in length. Stems reach a height of from one to two feet, each bearing two or three closely set terminal buds. Flowers open in July. They show great diversity in colors, which run in light blue, lilac, purple and yellow shades. Plants, whenever desired in great quantity, may be raised from seed. It is advisable to sow right after ripening in flats or pans, filled with light, sandy soil. Overwintered in cold frames the seed usually does not germinate until the following spring and it takes about three years for the young bulbs to reach the flowering size.

In the garden they prefer an open sunny position, but, in every instance care should be taken that the plantation is protected from heavy winds, which, when accompanied by rain, are very apt to lay the top heavy stems flat or break them off. It is also necessary to look for proper drainage, or choose a location high enough to prevent water or ice from accumulating during fall and winter. Bulbs in time produce numberless offsets and thus when left undisturbed for several years form good sized clumps. This clump formation is desirable when that mass effect is wanted which is shown in our illustration.



As cut flowers Spanish iris possess good lasting qualities and marked fragrance. Like some of the dwarfy spring flowering Caucasian, Persian and Asia Minor varieties, noteworthy the pretty *I. pumila*, our Pyrenean mountain representative, is well adapted for the rockery. More recently I have frequently seen Spanish iris used also to good advantage both on the mixed herbaceous border and in formal garden plantings. Though not quite as showy as the rhizomatous German and Japanese types, when planted for mass effect, Spanish iris soon shows that it merits space and the moderate amount of care required.

Richard Pothe

Northeast Harbor, Maine.

(not in fives) standing leaves, and the glandulous inflorescence. The area of the leaves is covered in spring and summer with hair of a violet to a blood red color, but in the winter, probably from the decrease of sunlight, they are of a much less lively color. The flower stalks arise from the axils of the leaves and display greenish or reddish insignificant flowers. It would make a bright-looking stove creeper.

FLORENCE

The city of Florence and the Royal Horticultural Society of the same are busy with the project of a horticultural show in the month of May, 1911, in commemoration of the 50th year of the establishment of the Italian kingdom. The event will be a national one, and will enjoy the support of the Italian minister of agriculture. The show committee to which the presidents of various foreign horticultural societies belong have determined that in some of the divisions foreigners may compete; and intentions to exhibit must be sent into the show committee not later than March 31, 1911.

THE SWEET PEA ANNUAL

This publication of the National Sweet Pea Society, issued recently, proves that the Society is advancing in

its policy and making reasonable progress. The Annual has increased in size on previous issues, and there is a chapter on the Sweet Pea Carnival at Bozeman, Montana, contributed by S. B. Dicks; notes on the trials at Reading by Chas. Foster; and Sweet Peas from Cuttings by J. Chisholm is an interesting contribution. In the full report given of the Sweet Pea Conference that took place in December last the papers read by W. J. Unwin on "Sweet Pea Names and Naming," and by W. Cuthbertson on the "Imperfect Seeding of Waved Sweet Peas," are given.

The official catalogue of sweet pea names fills sixteen pages. In an article contributed on the subject of "The Most Popular Sweet Peas" the writer states that certain varieties thrive under practically every condition, otherwise there would not be such a consensus of opinion in their favor. The twelve varieties receiving most votes are Helen Lewis, 105; Etta Dyke, 101; Countess Spencer, 99; Mrs. Hardcastle Sykes, 97; John Ingman, 81; Evelyn Hemus, 78; The King, 69; Constance Oliver, 67; Mrs. Henry Bell, 67; Frank Dolby, 64; Mrs. A. Ireland, 60; Clara Curtis, 53.

Fredrick Moore

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Put a horticulturist on the Park Board

As expected, the hearing on the matter of the Commonwealth Avenue tree planting before the Boston Park Commission had no effect on the carrying out of the plans as previously adopted by that board. They had gone so far already that a change of front could not have been reasonably expected. The citizens have Mayor Fitzgerald to thank and not the Park Board for the privilege of even presenting their views on this matter which means so much to them. The size and character of the protesting delegation was such as to show the mayor that the demand for at least one member on the board who has some horticultural intelligence is well-founded and may wisely be acceded to. We earnestly hope that at the proper time the mayor will so act. As for Commonwealth

Avenue it will stand in time to come a perpetual reminder, each year more convincing than the last, of a frivolous, short-sighted and ill-advised measure. The remedy against further malpractice is obvious and the mayor has it in his keeping.

An ever-ready ally

The New York Sunday Herald of March 20 was worth a lot of money to the florist trade. It was announced as a great Easter edition, giving a colored sheet and a large amount of space to interesting information concerning the annual feast of the flowers which grows in importance and beauty each year. Publications of this character, when the story is told truthfully and without absurd sensationalism, are of incalculable benefit to the flower grower and dealer, helping to make a market for his products and carrying the story of his fragrant offerings to every nook and corner of the land in alluring dress. In the campaign for wider publicity which already is and will be still more convincingly forced upon the florist industry the power of the newspaper is not adequately realized by those who would be the largest beneficiaries through a more persistent and systematic use of this ever-ready medium for business exploitation. In all our affairs—exhibitions and other projects where public interest is sought—we are woefully behindhand in the use of our best ally. No amusement enterprise worthy of the name would ever think of success without the services of the advance agent. And what would they not give to have the universal entre to the heart of all humankind which is at all times at the disposal of the florist but which the average florist makes so little use of.

Securing the exhibitors

As noted in our brief report last week, the New York exhibition of the American Rose Society and the Horticultural Society of New York jointly, although excellent as to quality of material shown, was of very moderate extent. We have heard more or less criticism of the growers of florists' roses, both East and West, for their failure to contribute more liberally to the rose display and of the members of the horticultural society for similar neglect in the section devoted to conservatory plant groups, etc., with not a few expressions of disappointment on the part of visitors who had come long distances expecting to see something to justify the effort. The dereliction cannot be remedied now, of course, and there can be no question in anybody's mind as to the extent and character of the show that will be provided at Boston next year. Yet a word of counsel to those who bear the responsibility of arranging for the exhibitions of such organizations may not be considered too intrusive or untimely. There is at least one direction in which the methods employed for securing exhibits for these annual affairs might be much improved. So far as the American Rose Society is concerned there is certainly no lack of generosity and public spirit in the response made by its members and friends when special premiums are called for, as the prize schedule well attests each year. Why not put some of the same energy into the work of getting exhibitors which is displayed in the securing of special prizes? True, it does seem a little like overdoing things after big prizes, fine exhibition halls and an attendance of cultured admirers have all been assured, to have to go out into the highways and byways to plead with exhibitors and all that but it is more desirable to do this than to put up a slim show. We have known of many a fine exhibition, even in Boston, which owed the best part of its success and completeness to the element of persistent personal appeal in the securing of entries.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Asparagus plumosus nanus.

To have vigorous stock for June planting can only be accomplished by avoiding any check in the growth of the seedlings. While the culture of *Asparagus plumosus* in a general way is not especially difficult, the raising of good stock involves the exercise of care and caution as to watering and airing. They want a light, warm house when young, with proper amount of moisture to push them forward. By the first week in April they should be big enough to shift into 3-inch pots and as soon as they need a shift they can be potted into 4-inch pots, which will suffice till they are planted out into their permanent beds. When intended for decorative purposes it can be grown on in 6-inch or 8-inch pots, using a rich soil; a heavy loam with third or fourth of cow manure is a good compost for it. When 18 to 20 inches long the tops can be nipped off, so as to make well-proportioned and bushy plants for the various decorative purposes for which this handsome variety is used.

Calanthes.

These orchids produce an abundance of showy flowers that last a long time in perfection. If potted now they will flower in January and February. Start the bulbs in flats of sand until roots and growths start, then place two bulbs in a 6-inch pot or three or four in an 8-inch pan. A compost of fibrous soil and well dried and decayed cow manure in equal parts, to which may be added some peat and silver sand, will grow them well. Be sure and pot them firmly, tying the bulbs to short stakes so as to keep them steady. In their growing season they require a hot and moist house, and when growth is complete a cooler house will be more beneficial. Watering with liquid manure occasionally will be to their liking. They are subject to thrips, which must be continually searched for and destroyed by sponging the plants over often. Attend to watering, syringing over head in fine weather, and keeping the floors and benches well damped and they will pay for the trouble.

Dracaena indivisa.

This dracaena is indispensable to all growers of miscellaneous stock. It is unapproachable for vases, window boxes, or when a graceful plant is wanted to withstand the sun and drought of our hot summers. The young plants should be encouraged to make as vigorous growth as possible. They are better for being grown under glass the first year, and the following year they may be planted out in good rich soil, where they can be left till September, when they should be lifted and potted into 4-inch or 6-inch pots, using a good loam that is quite lumpy with about one-fourth of well-rotted cow manure and some leaf-mould with addition of a little charcoal. Use plenty of broken crocks so as to have good drainage. They do well in a night temperature of 50 to 55 degrees when established.

Euphorbia fulgens.

The plants that flowered during the winter will have plenty of wood suit-

able for making into cuttings. Don't use the hard wood. By cutting back the old plants in April young growth will start and make good cuttings to root in May. Watchful shading and care when potting will place the plants beyond any further danger. It is well to allow the young and old plants time to become fairly root-bound before repotting. They like a soil of such a texture that the water will freely pass through. A good compost should consist of two parts turfy sod, one part of leaf-mould, and the remaining fourth well decayed manure with some sand. The plants thrive best in a warm and rather moist atmosphere where the temperature will never be less than 60 degrees at night. When the growing period is complete, the plants should be removed into a drier air, and where they will have ample ventilation, and withhold water gradually. This will allow a rapid and thorough ripening of the wood, which will produce exceptionally fine sprays. Some years ago this beautiful plant was one of our standard winter flowering plants. It seems strange that it is not more extensively grown. A few difficult details in its culture no doubt stand in its way.

Shading.

Such plants as palms and ferns will now require some shade. It will be better to apply only a light shade as yet, and as the season advances you can apply more. To retard and make them hold their color a moderately heavy shade over violets will be found very beneficial. It also keeps the house cooler. A good mixture to use is one gallon of kerosene with ten pounds of white lead, and mixed well before applying. This shade will withstand the rains well and is not hard to remove.

Swainsona.

Cuttings of *Swainsona galegifolia* that were rooted the last of February, if regularly attended to as to potting and repotting, watering and curing, will grow into good 4-inch or 5-inch flowering plants by Decoration Day, suitable for cemetery planting. They are good for indoors and if planted out on a bench will flower from June until far into the winter. If picked when nearly all the blooms are fully open, and the bunches of sprays are placed in water and kept in a cool but light place for a day, the flowers will not wilt. The bloom with its deep-green setting of fern-like foliage is good for all kinds of made-up work if rightly handled. Cuttings can be put in now, but be careful and not let them flag or they will be worthless. Any side shoots taken from thrifty grown plants, by pulling them sideways out of the axil formed by the leaf and main stem will make good cuttings.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on Camellias, Left-over Stock, Nephrolepis, Poinsettias, Rose Compost and Stevias.

DAHLIAS.

Dahlias are among our most popular tuberous garden plants, and some of the types, especially the cactus and single varieties, are very useful in cut flower work, especially for large decorations, cemetery bouquets, etc., and may be artistically arranged to make very good effects in home decorations.

Many of the varieties increase very

rapidly by tuber divisions, while a few of them increase too slowly to be a profitable crop. New varieties may be easily produced from seed, many new ones of great merit having been introduced in the past few years, and new ones are coming out each year. In order to get good ones from seed only the best hand pollenized seed should be used.

They may be planted here in New England from the time the frost is out of the ground in April until July. The July planted ones grow quickly and produce the best flowers. The earlier plantings will produce much larger clumps of bulbs; but, coming in flower when the weather is warmer, the flowers are not apt to be as large or as perfect as those from later planting, and the "tarnish bug" being active at this season blasts many buds or causes them to produce imperfect flowers, while the later ones escape this as the bug does not work in cool weather.

These bugs may be controlled in part at least by spraying with Bordeaux and paris green in weak solution or by using "bug death," or even coal ashes sifted fine and dusted on the plants when the dew is on will check them to some extent.

In planting, the tubers should be laid on the side, rather than stood up straight as many growers practice, and covered from four to six inches deep, placing the tubers 1½ to 2 ft. apart, the rows being 3 ft. or more apart.

Keep the soil well stirred through the first part of the growing season, to keep down weeds and conserve moisture, being careful to cultivate after every rain to break up the soil particles and prevent baking or crusting over, until the plants are about 2 ft. high. The balance of the season a mulch of straw dressing or any waste material to shade the ground is better than cultivation.

The pompon and show varieties bloom more freely usually than the cactus, single or decorative types. A. D. Lavoni (pink), Frank Smith (variegated), Gloire de Lyon (white), Storm King (white), Meteor (red), and Dr. J. D. Kirkland (maroon), are some of the best blooming show varieties. Grand Duke Alexis (white tinted lavender) is very large and handsome, but a shy bloomer in most places.

Among cactus varieties *Florodora* (wine crimson), and *Countess of Lonsdale*, are extra free bloomers. *Kriemhilde* (pink), *Master Earl* (orange), *Mrs. Chas. Turner* (yellow), are among the most beautiful of the older cactus varieties.

The bulbs should not be dug in fall until the frost kills the tops, when they may be dug, the stalks cut quite close to top of clump. When thoroughly dry, store them in barrels or boxes, packing the clumps bottom up. A cool, dry cellar is best, but any place where they will not freeze or dry up too much will do. A cool room upstairs is better than a damp cellar, or one with too much heat.

Before planting, divide tubers so as to produce only two or three stalks to the hill; one is enough and if the top of that one is nipped off above the second or third leaf joint it will branch and stand up better and produce better blossoms.

E. R. MACOMBER.

AMERICAN ROSE SOCIETY

Annual Meeting in New York City

Next Meeting in Boston, March 1911—Officers Elected: President, Wm. H. Elliott; Vice-President, A. Farenwald; Secretary, Benj. Hammond; Treasurer, Harry O. May

In an evil hour the telegraph company "went back" on us and a despatch from the scene of activity got sidetracked, so we were unable to announce in our notes of last week the names of officers elected and other details of Thursday's proceedings in New York.

The first thing after the addresses and reports of officers and other routine work at the opening session on Thursday forenoon, was the selection of meeting place for 1911. Wallace R. Pierson of Cromwell, Conn., and P. Welch of Boston, presented Boston's claims so well that the New England metropolis was unanimously selected and the time of the National Flower Show in that city was agreed on as the date.

Then came the election of officers, resulting as follows, all by unanimous votes:—President, Wm. H. Elliott, Brighton, Mass.; vice-president, A. Farenwald, Roslyn, Pa.; secretary, Benj. Hammond, Fishkill, N. Y.; treasurer, Harry O. May, Summit, N. J.

The secretary was instructed to prepare a fitting memorial to be sent to the family of the late Mrs. Gertrude M. Hubbard, a friend of the Society. Interesting papers, as provided in the program were read.

In our report on the exhibition in last week's issue, we credited Clement Moore as winner of first prize for specimen cattleya. F. L. Moore was the lucky gentleman.

Among the exhibits not mentioned in our previous report were the following:—Siebrecht & Sons, specimen palms; A. L. Miller, group of daisies and pansies; F. C. Gully of Ramsay's, N. J., fine antirrhinums and Beauty of Nice stocks; W. H. Waite, *Cytisus praecox* and *hippeastrums*; The Rosary Company, designs of violets and *Dendrobium Wardianum*, in form of lady's hat and fan.

THE ROSE THE BRIGHTEST OF FLOWERS.

A paper read before the American Rose Society by Adolph Farenwald.

When I received word to write a paper on the above subject, I felt that it was sent to the wrong man. I am

a rose grower, no poet, so I tried to wriggle out of it; but the powers that be wanted me to stick to the gun, and as I am an enthusiastic member of this society, and a lover of roses as well as a grower, I consented.

I shall now do my best to honor the Queen of Flowers. If I fall short, you



W. H. ELLIOTT

President-elect, American Rose Society.

must remember that I am only a rose grower, not a poet. Of course, there are other flowers in the race, such as orchids, carnations, violets, and a host of others "also ran." They are all beautiful; they all fill their places, but which one has sufficient popularity to fill the place of queen? With its exquisite form, its graceful carriage, its thousands of different hues of color, coupled with the grandest foliage imaginable, we see in it the embodiment of all that is beautiful in the kingdom of flowers. For ages the poets have sung their praise of its charms. The composer has put to music what stirred his soul when face to face with its matchless beauty. Innumerable

times the painter has tried to copy its wonderful forms and colors.

Our Queen is the object of our fondest affections as well as of our deepest sympathy. Her mission is varied, fitting all occasions and all lives. Her bright coloring and delicate perfume are silent messengers of comfort and cheer to the sick in body and soul. She also brings to the memory of most of us thought of the long ago—"the days of love and roses." No human being can resist the charms of our Queen, no matter how lowly his station or how crude his ideas of beauty.

Truly, fellow members, no nobler profession exists than ours—the rose grower's, whose everlasting patience and skill tries to improve on Mother Nature. To think that we send every day to thousands and thousands of homes these messengers of love and cheer. No, we need not be afraid of any other flower taking the place of our beloved Queen as long as we keep on producing and improving in the future as we have done in the past, to which fact the present exhibition now being held in this hall testifies.

All growers of roses are rose lovers. Whether they produce the flowers for commercial purposes, or simply for pleasure, the aim is one—perfection. A few weeks ago I said publicly in Philadelphia that the carnation was pushing hard for first place. Of course, we know the carnation has its charms, but the rose is its superior, and always will be. It is simply the fact that its producers, as a class, are putting forth their best efforts. But, if all rose growers should strive as hard what marvelous results might be obtained!

The Rose Society has a motto—"A bush for every garden, a rose for every home." It is to educate the masses of our people to the point of appreciating the value of the rose as a means of culture, so that in the future men will discuss with each other the merits of their several rose gardens, and compare notes on the different varieties. In the spring time, before leaving in the morning for their places of business in the dark and dusty cities, they will take a run into their gardens and receive an inspiration from the

bedewed beauties such as will enable them to wrestle more effectively with the problems of the day. Furthermore, they will enjoy talking to their neighbors and friends on these beauties of nature, instead of simply filling each others minds, as they do now, with exchanges of opinions on the various sports of the day, stocks and bonds, etc. That education no other flower can bring, as no other creation of nature has attained, as I said before, such beauty, and won such universal love as our Queen, when once thoroughly understood by the great amateur public.

"The Rose the Brightest of Flowers." When I started on this subject, I felt that I could not do it proper justice. But I caught the inspiration as I thought upon it, as everyone must be inspired when once thoroughly aroused to the charms of the Queen of Flowers. I have tried to convey some of my innermost thoughts on our glorious Queen, and doing it has brought back to my memory dreams of long, long ago; and I hope that for some, or all of you, it will also call up memories of the "days of love and roses."

THE BANQUET.

On Thursday evening, March 17, the time-honored annual gathering of the New York Florists' Club around the festive board, came off with full glory and refulgence, as befitted the verdant holiday and the distinguished guests which it was the Club's privilege to entertain. The members of the American Rose Society with their ladies, were treated to an entertainment such as only the Metropolis could provide, and no more care free and joyous company of nearly 300 banqueters was ever gathered together than that of which our cover illustration gives but a faint suggestion. The menu was excellent—of course it was—and the Fifth Avenue Restaurant did its part splendidly. There was music galore during the feasting which lasted till nearly midnight before the speech-making was commenced. That only the merest fragments of most of the speeches were heard by anybody didn't seem to give any worry and although Toastmaster O'Mara and his gifted fellow talkers were full of eloquence and wit, yet so infectious was the prevailing merriment that had all the speeches been left out, nobody would have been any less happy.

But an affair of this kind without some post prandial proceedings would, of course, be quite out of the question, and so the following program had been prepared and was adhered to as well as the circumstances would permit:—

PROGRAMME.

M. H. KIRK, Conductor.
PATRICK O'MARA, Toastmaster.
"The Star Spangled Banner"....Orchestra
Song, "Still wie die Nacht".....Emory B. Brante
Toast, "Our Guests".....A. L. Miller, Pres., N. Y. F. C.
Song, "Danza," by Chadwick.....Miss Daisy Pollock
Address, "Floriculture from the Standpoint of the Experiment Station"....Prof. John Craig
Cello Solo, Selected.....Russell Kelly
Address, "Horticulture as an Educative Force".....Geo. V. Nash
Song, "Pearl of Brazil".....Miss Sabery Dorsell
Toast, "Our Night".....W. A. Manda
Recitation, Selected.....Miss Barnett
Address, "National Horticulture".....F. R. Pierson, Pres. S. A. F.
Song, Topical.....Maurice J. Hayes

Song, "Come Back to Erin".....Miss Sabery Dorsell
Toast, "The American Rose Society," August F. Poehlmann, Pres. A. R. S.
Recitation, Selected....Master K. J. Casey
Toast, "Our Hosts," Hon Phil Breitmeyer
Song, "Lass mich dein Auge Kussum," by Fielitz.....Miss Daisy Pollock
Toast, "The Ladies—'God Bless 'em'" Richard Connel
Song, "Spirito Gentil"....Emory B. Brante
Song, "The Heather"....Miss Sabery Dorsell
Song, 1 "Der Wanderer," Schubert....2 Irish Love Song, Margaret R. Lang.....Edmond A. Jahn
"Auld Lang Syne."

After perusing the above nobody will wonder that it was well along past the midnight hour before there was any thought of home. As the picture shows, there was no lack of ladies on this occasion and they applauded with glee Toastmaster O'Mara's reminder that the first time



A. FARENWALD

Vice-president elect, American Rose Society.

the American Carnation Society was entertained in New York there was only one lady present at the banquet and she certainly brought a lot of fame to the New York Florists' Club. "Today," he said, "members don't have to explain and apologize to their wives after attending a club dinner, which shows how we are growing."

NEWS NOTES.

Eldora, Ia.—J. M. Pierce of Des Moines, publisher of the *Pierce Farmers' Weekly*, has formed a company with J. S. Polland, a local florist, under the name of the J. S. Polland Floral Co. A large acreage has been purchased and greenhouse buildings will be erected. It is expected they will eventually branch out into a large nursery business.

New York—R. Grelsch is successor to O. V. Zangen as wholesale florist at 52 West 28th street.

The new 12-story Peter Cooper Building at the corner of West 28th street and Fourth avenue, is looked upon favorably as a possible new centre for the wholesale flower trade of New York. The first and second floors are well adapted for the purpose and the subway elevated and surface car transportation accommodations are excellent.

DINGEE, HELLER, SMITH ROSE.

Perhaps this note on the warm controversy now going on as to the identity of the above rose ought to be prefaced by an explanation of what was intended by the S. A. F. when it introduced its nomenclature registration.

The main purpose was to prevent duplication of names. That idea was for the protection of buyers, and is sound in morals, ethics and business. It has worked well and is doing good right along. The writer is in thorough sympathy with same and always will be.

A correspondent of *HORTICULTURE* wishes to know why Conard & Jones wish to register the name of W. R. Smith at this late date—years and years after the variety has been on the market under various names, seeing that they were neither the originators nor had anything to do with the early history of the variety. The natural supposition is that E. G. Hill, who bought the stock from John Shellem, who bought it from Richard Bagg (the originator), would be the right party. Where do Conard & Jones come in on it? This question your correspondent is unable to answer.

A recent interview with E. G. Hill enables the writer to put his finger on the real reason why this rose has appeared under various names—and that reason absolves all those who have been by implication accused of renaming by this belated proposed registration. It is this: John Shellem was one of the most amiable of men. He would give a friend a plant of anything new or good he might happen to have—he did that with this then new rose in many instances, long before it was named, and long before he finally sold the whole stock of it to E. G. Hill and long before it was named W. R. Smith at a private lunch at McGowan's restaurant, Philadelphia, at which only Jno. Shellem, Robert Craig and W. R. Smith were present. No doubt Richard Bagg did the same thing while he was in Bridgeton and before he went to work for Jno. Shellem.

One can readily see, therefore, that many people might have become possessed of this new rose, and in some instances without knowing where they got it, and on recognizing its merits considered themselves doing a public service in giving the unnamed a name and letting the public know about it.

This is an entirely different thing from deliberately stealing another's novelty and renaming it, and should be so considered. It also invalidates to a large extent, the present effort to register the rose under the name of W. R. Smith—whatever the motives of the Conard & Jones Co. may be. No doubt they are perfectly honorable.

In my judgment the S. A. F. have a right to protect the innocent holders of this rose under the names given it—and should not boost any one of them by registration at this late date, nor do an injustice by implying dishonesty to honest people.

G. C. WATSON.

Headquarters for Hardy JAPANESE LILIES

FOR IMMEDIATE DELIVERY

The Hardy Lilies are planted by many florists now. They bloom outdoors in July and August and are extremely useful for decorative purposes. The Auratum, Album and Rubrum are excellent for forcing.

	Per doz.	Per 100	Per 1000
Lilium Auratum (Golden Banded Lily).			
8 to 9 inches	\$0 90	\$6 00	\$50 00
9 to 11 inches	1 25	9 00	80 00
11 to 13 inches	2 25	15 00	140 00
Lilium Auratum Platyphyllum. A great improvement on the old Auratum, otherwise similar except that the flowers are very much larger.			
8 to 9 inches	1 50	10 00	90 00
Lilium Album (Praecox). Pure white.			
8 to 9 inches	1 10	7 50	72 50
9 to 11 inches	1 60	12 50	115 00
Lilium Album Kraetzleri. Pure white; an improvement on Lilium Album.			
9 to 11 inches	2 25	15 00	135 00

	Per doz.	Per 100	Per 1000
Lilium Magnificum (Rich pink).			
8 to 9 inches	1 00	6 00	55 00
9 to 11 inches	1 25	8 50	82 50
11 to 13 inches	2 25	16 00	150 00
Lilium Melpomene (Pink).			
8 to 9 inches	1 00	6 50	60 00
Lilium Rubrum or Roseum. Beautiful pink, spotted crimson.			
8 to 9 inches	85	5 00	47 50
9 to 11 inches	1 25	7 50	72 50
Lilium Tigrinum Splendens. Single Tiger Lily. Orange, spotted brown. We offer large imported bulbs.....	80	6 00	52 50
Lilium Tigrinum Flore Plena. Double Tiger Lily. Large imported bulbs..	1 00	6 50	60 00

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NEWS OF THE CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The regular monthly club meeting at Horticultural Hall on Tuesday evening, March 22, was remarkably well attended, considering the demands of Easter week and spring activities.

The special interest of the evening centered in the address on hardy herbaceous perennials, by Arthur E. Thatcher of the Arnold Arboretum. Mr. Thatcher is no stranger to the readers of HORTICULTURE, to the columns of which he is a frequent and valued contributor. His paper was of exceptional value because it included comment on the species of recent introduction and their respective qualities as compared with the older sorts. A rising vote of thanks was accorded.

A letter to the secretary from U. S. Senator Murray Crane in approval of the club's action in favor of parcels post and condemning the free seed distribution by Congress was read and vigorously cheered.

P. Welch, Thos. J. Grey and others spoke on the great loss the club had sustained in the death of its treasurer, Edward Hatch. William J. Stewart, William Downs and P. Welch were constituted a committee to prepare suitable resolutions to be presented at the next meeting.

The matter of electing a successor to Mr. Hatch as treasurer was assigned for the next meeting.

On the platform a number of attractive exhibits were displayed. William Sim contributed eighteen varieties of sweet peas, also violets and cyclamen. From Chas. Sander came the lovely Azalea balsamiflora. W. N. Craig showed Laelio - cattleya Frederick Boyle var. Kerchovianum, a cross between a white Laelia anceps and a white Cattleya Trianae. Schizanthus hybrida grandiflorus oculatus came from G. Bleicken, carnations from J. F. Flood, seedling cannas from Eber Holmes, and Paul De Nave brought from Fall River a fine group of com-

mercial orchids. Mr. De Nave, on being questioned, replied that he grows his orchids in a temperature of 55 to 58 degrees with plenty of ventilation and bottom air—oncidiums on the north side and dendrobiums and cattleyas on the south side of the same house. Spraying overhead frequently on sunny days he regarded as an essential. The only feeding he gives is a little sheep manure about three or four weeks before flowering time.

MINNESOTA STATE FLORISTS' ASSOCIATION.

The regular monthly meeting of the Minnesota State Florists' Association was held on March 15. The flower show committee submitted a preliminary premium list (total amount about \$2,700.00). The same rules for judging will be used as in the respective National Carnation, Rose and Chrysanthemum Societies. The promised lecture of Professor Clements was postponed until the April meeting.

Tausendschon, exhibited by Holm & Olson, scored 91½ points; Lily of the valley, 81; Lady Bountiful carnation, Winsor, all by Nagel & Son, 85; Lilium longiflorum giganteum, 82½, Primula obconica, 73½, Hydrangea otaksa, 78½, Bride roses, 85, all by Lakewood Cemetery.

ELBERON HORTICULTURAL SOCIETY.

March 21st was "Rose Night." C. Duncan and Peter Murray were the principal winners; C. Duncan was also awarded a cultural certificate for a collection of roses. Mr. Duncan gave a short talk on rose growing, which was very interesting. Mr. Murray was awarded a cultural certificate for three very fine plants of calceolaria and he also gave us a few points on their culture. D. Kelley was awarded cultural certificate for sweet peas, and Wm. Seymour for callas.

ALEX. FLEMING, Rec. Sec.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

The Executive Board held its regular mid-Lent meeting at Rochester, N. Y., March 12 to 16. The sessions of the Executive Board have never been considered public property until reported in his official capacity by the secretary of the society. In deference to this very proper restriction we refrain from any statement as to the proceedings on this occasion. Secretary Dorner will, no doubt, in due time make a report through these columns.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the rose, "Wm. R. Smith," by The Conard & Jones Company of West Grove, Pennsylvania, becomes complete.

H. B. DORNER, Sec.

March 17, 1910.

ROCHESTER FLORISTS' ASSOCIATION.

The Rochester Florists' Association had the honor of entertaining the Executive Board of the Society of American Florists on the occasion of the second annual dinner of the association held at Rochester, N. Y., on the evening of March 14. About 150 ladies and gentlemen were present. E. S. Osborn acted as toastmaster and toasts were responded to as follows: The S. A. F., by President F. R. Pierson; The Convention, by W. N. Rudd; The Flower City, W. C. Barry; The Ladies, W. J. Vesey; The Man that Holds the Bag, W. F. Kasting; The Retailer, J. A. Valentine; The Carnation, H. B. Dorner; The Rose, George Asmus. Prof. John Craig, Prof. L. B. Judson and others also spoke. There were also present among the visitors H. B. Beatty, John Young, Eugene Dailledouze and Robert Craig.

Dreer's Hardy Delphiniums

Belladonna. The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$2.00 per dozen, \$15.00 per 100; \$125.00 per 1000.

Dreer's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

Formosum. A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

Chinese Blue and White. 75 cents per dozen, \$5.00 per 100.

CHOICE NAMED HYBRID VARIETIES.

Alfred Henderson. Bold, massive spikes of semi-double rosy-lavender flowers, 2 inches across, white eye. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Beatrice Kelway. Deep, rich blue with a conspicuous yellow eye. flowers 2 inches across and perfectly arranged. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Cerberus. Sapphire with black-brown centre, a handsome spike. 35 cents each; \$3.50 per dozen.

Chinese Cineraria (Spurless Hardy Larkspur). The large flowers without a spur, strikingly resembles a fine, rich sky-blue Cineraria. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Duke of Connaught. Rich oxford-blue, with distinct bold white eye; fine large flowers. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

J. C. Jenkins. Very large, semi-double bright mauve edged with royal blue and white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

King of Delphiniums. Most vigorous growing, immense size, semi-double, rich deep blue with large white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lizzie. Lovely azure-blue, flowers 2 inches across, bold, creamy-yellow eye, arranged in bold massive stems. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lemartin. Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Mrs. Creighton. Semi-double, outer petals deep sky-blue, centre rich plum with black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Persimmon. Comparatively new; beautiful delicate turquoise-blue. 50 cents each; \$5.00 per dozen.

White Seedlings. These have been carefully selected and will be found desirable in any collection. 30 cents each; \$3.00 per dozen.

For the most complete list of Hardy Perennial Plants offered in America see our current Wholesale List

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YONKERS HORTICULTURAL SOCIETY.

A very interesting meeting of the Society was held March 16th, with H. Scott in the chair as President Bennet was sick.

The prizes offered at our last meeting by Messrs. Waite and Woodrow for the most meritorious exhibit were won by the following: First, R. Cochran, string beans; second, H. Nichols, single violets; third, H. Scott, roses.

Vice-President Cochran read a very instructive paper on "Mushrooms," after which a very lively discussion took place. Mr. Nichols exhibited some very fine mushrooms. Mr. Cochran and L. Melliott offered prizes for the most meritorious exhibits at our next meeting.

An invitation was received from Mr.

Melliott to visit his greenhouses on March 18th, and a large number of the members took advantage of the invitation and enjoyed a very pleasant afternoon. Mr. Melliott's hospitality was dispensed lavishly and a hearty vote of thanks was given him.

The next meeting will be held in Wiggins' Hall, April 1. G. Stanton will read a paper on "Water Lilies."

LEE WHITMAN, Cor. Sec.

NEWPORT HORTICULTURAL SOCIETY.

A regular meeting of this society was held on the evening of March 22, when the unfinished schedule for the June show was probably given its final addition, the latest being a class for sweet peas which was considered desirable on account of the interest which is being taken in the newer and improved varieties of that flower. Several of the gardeners around here have taken advantage of the recent fine weather to sow their sweet peas in the garden last fall, then covered them over with loose manure and those are already well through the ground.

At the above stated meeting John B. Urquhart, gardener for Mr. R. L. Beechman, had on exhibition a vase of unusually well grown antirrhinums of several colors, each spike being nearly five feet in length and having about forty open flowers. They were examined by a committee and awarded the Society's first-class certificate of

cultural merit. The same grower had also on exhibition a beautiful plant of *Lilium longiflorum* Formosum in a six-inch pot. There were seventeen flowers and buds on the two spikes which came from the one bulb of the seven to nine-inch size, and the foliage was spotless. This was also awarded a first-class certificate of merit. It was arranged for the secretary to communicate with a well-known orchid grower of Massachusetts, with a view to get him to give a talk on orchids or some other horticultural subject at the next meeting, April 12th.

GODFREY ASCHMANN FLORIST

Wholesale Grower of IMPORTED and DOMESTIC POT PLANTS.

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CYCLAMEN

Best Strain in Cultivation.

4 in. pots...\$25.00 per 100 | 6 in. pots...\$75.00 per 100
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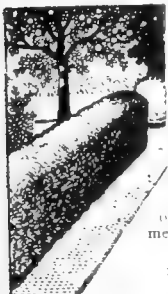
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Satisfactory hedges are only obtained by proper nursery treatment. Plants not properly treated in the nursery must be cut back close to the ground and practically started all over again. Our California Privet is grown specially for hedges and makes a dense growth of dark green, very shiny, ornamental foliage.

	Price per 100	Per 1000
1 to 10 inches	\$2.50	\$25.00
10 to 12 "	3.00	30.00
12 to 16 "	3.50	35.00
16 to 24 "	5.00	50.00
24 to 36 "	4.00	40.00

Small plants by mail, postpaid

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ORCHID PEAT—Osmunda Fibre

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The C. W. BROWNELL COMPANY

WALDEN, N. Y.

MORE ABOUT GLADIOLUS.

In regard to Mr. L. Merton Gage's article on the Gladiolus in *HORTICULTURE* of February 5th, on page 182, in which he states that he bought a certain variety under two names, I should say that such things occur with those growers who grow no seedlings or who do not hybridize, but select some certain kinds out of a lot of purchased bulbs and name them, while these same varieties may already be under name for some time, but he don't know it.

Just such an accident occurred to me about twelve years ago when I first began gladiolus growing. I bought a strain which was called Extra Florist Mixture, which was a very high grade at that time. I found a few of one kind which struck my fancy and kept them separate. In five years I had a nice lot of them and made up my mind to name them "Wisconsin." Gladiolus May was then getting extensively advertised and I invested, and when May came into bloom it proved to be my Wisconsin. After that I never picked out another one of any mixture I bought, and I think no grower should do so, no matter how nice a variety looks—at least not to name them. I have the following remarks in my Gladiolus list:

Remember, that I reserve the right of any one buying Koerner's New Giant Flowering Hybrid Gladiolus not to select any kind and name them, for I have selected about 100 kinds which I intend to name from time to time as I get stock; all these same kinds can be found in the mixture and if any one should select any and name them there will be a confusion in the names.

IL. W. KOERNER.

THE NATIONAL ASSOCIATION OF GARDENERS.

William Kleinheinz of Philadelphia, was re-elected president; W. E. Maynard, secretary and treasurer, and James Bell, vice-president at the annual business session held in Horticultural Hall, Philadelphia, 7 p. m., March 16th, 1910. Routine business only was taken care of at this session. A committee was appointed as follows, to get a charter: Thomas Logan, Xavier Schmitt, W. E. Maynard, W. Kleinheinz, W. Robertson and James Bell.

MRS. ELLEN M. GILL.

The Gardeners' and Florists' Club bestowed a well-deserved compliment on its oldest member when, at its meeting on Tuesday evening, March 22, it unanimously endorsed the recommendation that Mrs. E. M. Gill be made an honorary member of the club.

Mrs. Gill, whose portrait appears herewith, is past eighty years of age,



MRS. ELLEN M. GILL

but still devotes her well-preserved energies to her beloved occupation as florist at Medford, Mass. For nearly fifty years Mrs. Gill has been a regular exhibitor at the shows of the Massachusetts Horticultural Society and a constant prize winner in the classes calling for the exercise of refined taste in floral arrangement.

Mrs. Gill was born on Essex street, Boston, and counts among her ancestors John and Priscilla Alden and Richard Warren, who came over in the Mayflower.

PHILADELPHIA NOTES.

Lloyd G. Blick, Norfolk, Va., is the latest entry at Philadelphia in the "Race to Rochester" by auto, next August. He will make the journey accompanied by Mrs. Blick and friends. It is expected that about twenty-five

machines—each with four to ten occupants—will make the start from Philadelphia.

Visitors in Philadelphia last week (among many others) were: Lloyd G. Blick, Norfolk, Va.; Adolphus and William F. Gude, Washington, D. C.; P. Welch, Boston, Mass.; E. Howard Smith, Hazelton, Pa.; George H. Cooke, Washington, D. C.; Fred Burger, Miss Held, E. A. Siedewitz, Mrs. Thos. Schuler, Mr. and Mrs. Johnston, all of Baltimore, Md.; Frank Clark, Trenton, N. J.; F. E. Ridenour and Parker Thayer Barnes, both of Harrisburg, Pa.; Mayberry and Hoover, Washington, D. C.

There is a society with headquarters in Dublin, Ireland, for the suppression of caricatures of the Irish. The irane rubbish in the way of post-cards, etc., is certainly in very bad taste. The noble qualities of any nation are what should be emphasized. We are with the Irish every time in this endeavor and in our own line are fighting the same evil. Only in our business it happens to be "Artificial Flowers." Of course, we know the growers of "Real Flowers" are not interested in this fight. So we only mention the matter "out of pure contrariness," as Robert Craig would say.

CLUB AND SOCIETY NOTES.

The Gardeners' and Florists' Club of Boston, to the number of about fifty, had a delightful time at the annual visit to the greenhouses of the W. W. Edgar Company at Waverley, Mass., on Saturday, March 19th. The Easter stock was found, as described in the previous issue of this paper, in splendid shape and readiness. Refreshments were served to the visitors, several of whom made appreciative speeches.

A meeting of the ex-employees of the late firm of Pitcher & Manda was called at the Museum of Natural History, New York, on the occasion of the Rose Society exhibition and some eighteen or twenty gentlemen responded. It was voted to organize and the following officers were duly elected: President, Charles Russell; vice-president, F. L. Atkins; secretary, W. Merkel; treasurer, Harry A. Bunyard. The secretary's address is Bronx Park, New York. Messrs. Bunyard, Coan and J. Russell were constituted a committee to arrange for a banquet or other social affair in the near future.

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ESTABLISHED—Finest and largest stock in the country.

IMPORTED—Coming—All commercial Cattleyas, Oncidiums, Dendrobiums, etc.

Palms in all sizes, Stove Plants, Bay Trees, Box Trees, Evergreens in Variety.

Begonia Lorraine and Agatha

Leaf Cuttings, June Delivery

Julius Roehrs Co. Exotic Nurseries

RUTHERFORD, N. J.

NEWS NOTES.

New York.—R. Gretsck succeeds O. V. Zangen as wholesale florist at 52 West 28th street.

Kelso, Wash.—An extensive nursery plant is to be developed by James Stevens & Son, formerly of Barton, Ore.

Trenton, Mo.—It is reported that the Trenton Floral Co. has dissolved and that the president, L. A. Worder, has gone to St. Louis.

Rocky River, Ohio.—The J. M. Gasser Co. will rebuild a range of 16 houses which contain an area of 100,000 feet. This company has a total of 34 houses of 200,000 feet, and employs twenty-five men.

Salt Lake City, Utah.—The Miller

Floral Co. is an organization incorporated by Robert Miller and Louis Barton. A range of modern houses will be built and they will begin business with a capital stock of \$15,000 to \$20,000.

Richmond, Va.—The Hammond Co., incorporated, has purchased the Hammond property consisting of 20 acres of land and greenhouse plant. J. Scott Parish, president; H. A. Higason, vice-president, and F. F. Apt, secretary.

Springdale, Pa.—John James has formed a partnership with Mr. Butler of New Kensington. They have bought the L. I. Neff Greenhouse. The plant will be remodeled and they will grow stock for their New Kensington store.

Klamath Falls, Ore.—Brittan & Krause will begin immediately to erect a greenhouse plant on the Enterprise tract. They will use natural hot water from the mineral springs on the Mill's addition, as was done in the Lewis greenhouses.

Dayton, O.—Miami Floral Co. will build an addition. They now have 20 greenhouses with an area of 200,000 sq. ft. and cultivate 17 acres. This concern is incorporated with a capital stock of \$50,000. Geo. Bartholomew is manager and buyer.

Oregon, Ill.—C. G. Gilbert & Co. will build an addition. They now have four houses with an area of 10,000 feet and cultivate five acres of land. Their specialties will be carnations and chrysanthemums, asters and dahlias being their field specialties.

West Berkeley, Calif.—The E. Gill Nursery Co. has purchased 85 acres of land at Eden Vale and is now planting it to nursery stock. This will be run in connection with their present place, upon which is grown roses for the wholesale trade.

Westerly, R. I.—Conrad S. Schultz, proprietor of the Elm Street Greenhouses for two years past, has taken possession and is now operating Smith's Greenhouses on Franklin St. These houses are four in number, each 25 x 120 feet, and are devoted to carnations.

Minneapolis, Minn.—Max Kaiser, formerly with the L. S. Donaldson Co., has been appointed Forester of the Minneapolis Park Board.

J. Jorgenson, superintendent of L. S.

Donaldson's greenhouses, has sent out invitations to inspect the Easter display in the greenhouses. The firm is to be congratulated on having such a skillful and successful grower as Mr. Jorgenson. There was a crowd of visitors streaming through the houses from morning till night.

Ambler, Pa.—The officers of the Pennsylvania School of Horticulture held a meeting March 4 at the College Club at Philadelphia to discuss plans for a permanent organization of the institution. The school will be located at Ambler. A twenty-acre farm will be laid out in plots for the cultivation of flowers, plants and vegetables. A greenhouse will be built in which pupils will be instructed in propagation of the soil, plant producing, fertilization, etc. The course will extend over two years and is very comprehensive in scope. Surplus products will be sold in the best markets. J. B. Haines, president; E. L. Lee, vice-president; E. P. Williams, secretary.

Just Because

APHINE

is not listed in your seedsmen's 1910 catalogue, it does not necessarily indicate that they do not yet handle our new insecticide.

In many instances the 1910 catalogues were on the press before the merits of Aphine became generally known.

Ask your dealer for **APHINE**.

Then, if you find he cannot supply you with it, write us for names of our nearest selling agents.

\$2.50 per Gallon. \$1.00 per Quart.

Send for Descriptive Circular.

Aphine Manufacturing Co.
Madison, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

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and Madison, N. J.

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Largest Importers, Exporters, Growers and Hybridists in the World

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**Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.**

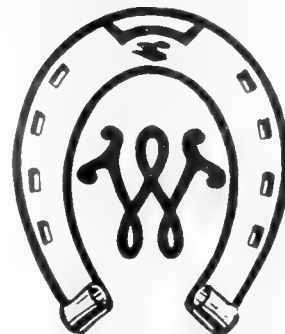
Deutzia Lemoinei

Is one of the choicest small shrubs, covered in the blossoming season with a profusion of pure white flowers. The tall varieties of Deutzia are also among the most beautiful flowering shrubs and should receive more attention from planters who aim to produce effective results.

A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

**Fruit and Ornamental Trees, Shrubs,
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BUT HOW GOOD"**

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA

June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

100,000,000,000

RED Cut Flowers can be sold Christmas week, 1910. My **20th** Century red Christmas Novelty will supply the increasing demand for red flowers at this red flower season. My practical knowledge will put 500% profit in your pocket at a nominal cost to you. It beats the Poinsettia 100 ways. I am the originator of new good things for florists.

Write today and inclose 10c in stamps for reply.

L. I. NEFF, Florist, BELLEVUE, PENNA.

OBITUARY.

Joseph W. Moulton.

Joseph W. Moulton died March 12th at his home in Hampton Falls, N. H., at the age of 84 years. He had been for many years engaged in the nursery business and the raising of fruits.

Edward Ladiges.

Edward Ladiges, well known to the florists of Chicago and New York as an expert decorator, died in Chicago, March 19th, of pleuro-pneumonia, after an illness of two days. The remains were taken to Closter, N. J., for interment.

John Booth.

John Booth, an old-time gardener of Newport, R. I., died March 19th at his home in that city at the age of 72 years. He was gardener many years ago for the late Governor Lawrence of the State of Rhode Island, and after leaving that position he erected the greenhouses on Roseneath avenue where, up to the time of his death, he occupied a good part of his time in the growing of grapes and nectarines. He was a man who attended faithfully to his own duties and on that account was highly respected by all who knew him. He is survived by a widow and grown-up family of seven, John Booth, Jr., being employed as assistant gardener at the Eugene Thayer estate, Lancaster, Mass.

BERBERIS THUNBERGII

Bushy Plants, 18 to 24 inches at \$9.00 per 100; 12 to 18 inches, at \$6.00 per 100.
Seedlings, 3 to 5 inches, \$8.00 per 1000, with 6-in. roots; 2 to 3 inches, \$5.00 per 1000, with 6-in. roots.

CAROLINA POPULAR

2 years, clean and smooth, nicely branched.
10 to 12 ft. \$15.00 per 100
8 to 10 ft. 10.00 per 100
7 to 8 ft. 8.00 per 100

LOMBARDY POPLARS

Low Branches.

7 to 9 ft. \$10.00 per 100
6 to 7 ft. 8.00 per 100

NORWAY SPRUCE

Several times transplanted.
3 to 4 ft. \$30.00 per 100
2 to 3 ft. 8.00 per 100
18 to 24 in. 6.00 per 100

ARBOR VITAE

Transplanted.

3 to 4 ft. \$10.00 per 100
2 to 3 ft. 8.00 per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.
100 1000
3 to 4 ft. \$4.00 \$35.00
No. 1, 3 to 4 ft. 3.00 30.00
This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.

The Burr Nurseries
MANCHESTER, CONN

Horseshoe Brand Products

In Giganteum indicates the acme of quality. Large growers know they produce the largest percentage of cut flowers per thousand bulbs of any brand. The reason why is because they are produced by the choicest seed-bulbs in the world; are properly planted and cultivated. The actual profits indicated by your cash register when the final show-down time comes are greater from Horse-shoe Brand Giganteum than from any other brand receiving the same treatment in forcing. Don't take our word for it, try them, count the cut.

Write Us.

RALPH M. WARD & CO.

12 West Broadway, - - - New York

Seed Trade

The Outlook.

The notes appearing in last week's HORTICULTURE were intended for the week before, but unfortunately arrived a little too late to be used in that issue. Hence, the information about trade conditions was not quite up-to-date. Since that time there has been a marked improvement in retail trade, both counter and mail orders, and the retailers are about as busy as they care to be. In fact, the information which we have indicates that most of the larger concerns are from twenty-four hours to three and four days behind with their orders, and they are working every night up to 10 and 11 o'clock. Beyond a doubt, the final close will show as good a season as we have had in a number of years. All indications point to an early spring. It is generally stated that frost is nearly out of the ground and a warm rain followed by pleasant weather would make the soil suitable for cultivation in a very short time. This is a condition quite general, although of course there are a few exceptions in the northern sections of the state of New York, northern New England and some of the northwestern states. It is generally regarded as a good omen for the trade when spring opens up early, and this year will doubtless be no exception.

Corn and Potatoes.

Reference has been made to the very unsatisfactory condition of seed corn this year, particularly field varieties, and as the season advances, conditions do not show any marked improvement. Much of the corn which has been received by seedsmen has been kiln-dried, but, having been frozen before it was thoroughly dried, the vitality has been greatly impaired and germination tests show very low vitality in many instances. No doubt the trade will manage to worry through in some way, as it always does, but there will be a very great amount of complaining on the part of consumers of corn; especially for seed purposes.

Prices on seed potatoes do not materially improve, and good stock is offered as low as 40c. per bushel, while excellent eating stock is quoted as low as 25c.

Help Wanted.

From all parts of the country comes the complaint of the scarcity of competent and experienced help. It is akin to the servant question. Seedsmen are unfortunate in not being able to keep their hands the year around, but must needs take on a large number of inexperienced people every year. It needs no argument to convince any intelligent person what a handicap this must prove, not only in despatching business, but in the probability of making errors, yet no one has found any solution of the problem and none is likely to be found. Keeping the full force the year around might solve it, but that of course is impossible.

A Rochester Boom.

The seed business in Rochester must be booming this spring according to reports received from James Vick's Sons. They are highly elated over the big increase in trade all along the line,

retail mail order, wholesale and store, and are very agreeably surprised at the way the orders are coming in. While there are serious shortages in some lines of seeds, the concern is fortunate in having a good general supply. In the wholesale department, Mr. W. H. Dildine, superintendent, reports that there is an increase of nearly one-third in the number of orders received for the first three weeks in March in comparison with similar period last year. Since they had a rushing business a year ago, the figures this year make a new high record. This tremendous increase in the volume of business has made necessary a complete reorganization of the working force in the wholesale department, putting on practically a double force of help, and Mr. Dildine reports that they are handling orders so promptly now that nearly all are filled on the day they arrive. All of which goes to show that the name of "Vick" is still one to conjure with and if properly presented to the public will always receive prompt and appreciative recognition; and then, we might add, Jas. Vick's Sons are generous advertisers in HORTICULTURE this season, which surely counts.

THE SEEDSMEN'S GUARANTEE.

Mr. Kendel in his official capacity as secretary of the American Seed Trade Association, has paid HORTICULTURE the high compliment of replying to a suggestion for the improvement of the time worn waiver. No other trade paper as far as we can recollect has ever succeeded in drawing a public expression of this kind. The seed trade has a right to be conservative but it is possible to be too conservative. The seed trade is suffering from that very thing today. If they had come out in the open twenty-five years ago and kept persistently hammering for their rights all the time, they would hear far less now of adverse legislation in the various states. As to Mr. Kendel's plea about the Iowa judge and the "will and the won't," there's only one thing to be said—"You can catch more flies with molasses than you can with vinegar." The Burpee waiver reaches the same spot as the other, but with the very important difference that it does this inoffensively. That's why it's clever.

The seed trade attacks this thing in the right spirit, respectful and all that; but isn't there such a thing as being afraid of ghosts? Don't the old boys want the new boys to do better than they did?

"Rise on stepping stones of their dead selves to higher things."

Take another look at the Burpee waiver. It may dawn on you that it will really hold in law better than the other, maybe, and look at the beautiful suavity of it! Of course, precedent is good. But a clean slate and a new deal all around is pretty good too. Where would George Washington and Benjamin Franklin and the rest of them have been unless they'd had the courage to stand up for a rub out? No doubt George the Third thought they were "blawsted anarchists!" Benjamin Franklin had it right when he said about the Union—"If we don't hang together we're pretty sure to hang separately."

In the writer's opinion the Burpee waiver is far and away the best.

GEORGE C. WATSON.

CLAY'S

For Fertilizing the Soil

56 lb. \$3.25

WM. ELLIOTT & SONS,
42 Vesey St., New York.

SEEDS THAT GROW

Best quality Vegetable, Flower and Farm Seeds, Alfalfa, Clover, Seed Potatoes, etc. We will send free with catalog a packet of our New Coreless Tomato, the best of all tomatoes. Do not fail to try our beautiful collection of Vegetable Seeds, best 5 varieties on earth, postpaid for 40c. We also carry full line of Nursery stock.

GERMAN NURSERIES & SEEDHOUSE
CARL SONDEREGGER, Pres.
German Nurseries,
Box 236, Beatrice, Neb.

CABBAGE Wakefield and Succession. \$1.50 per 1000, \$8.50 per 10,000.
PARSLEY 25 cts. per 100.
LETTUCE \$1.25 per 1000.
BEET PLANTS Big Boston, Boston Market and Grand Rapids. \$1.00 per 1000.
\$1.25 per 1000.

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

MAKE THE FARM PAY

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture, and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University, and other eminent teachers. Over one hundred Home Study Courses under able professors in leading Colleges.

250 PAGE CATALOG FREE WRITE TO-DAY
THE HOME CORRESPONDENCE SCHOOL
Dept. H. A. Springfield, Mass.

Notes.

Henry Nungesser sailed from New York on the Kronprinzess Cecelie on Tuesday, March 22. Business and recuperation in equal proportion.

R. M. Ward & Co. are about to send out a unique calendar, 23 x 28 in., giving the date on which Easter will come for the next thirty years and other equally useful information.

L. P. Gunson & Co., of Rochester, N. Y., report a very excellent mail order trade, and say they are having more trouble to secure stocks with which to take care of orders than in securing the orders.

The Joseph Harris Co., of Coldwater, N. Y., also report a very fine trade, claiming they are 30 per cent ahead of last year up to this time. They are several days behind in their orders, although working their full force overtime.

We extend our sincere sympathy to Frank Emerson and Mrs. Emerson, under the staggering misfortune our dear friend has suffered. We trust the loss of his eyesight—which resulted from an overstrain in helping to right an overturned auto—may prove only temporary; and that he may soon be restored to us in his full health and vigor.

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HIGHEST GRADE ONLY

Send for special wholesale catalogue
for Market Gardeners
and Florists.

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33 Barclay Street
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Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts.	\$1.25	.25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts.	\$1.25	.25
Phlox dwarf Fireball,.....	2.50	.35
" " Roseball,.....	2.00	.3
" " Snowball,.....	3.00	.40
" " Cecily, all shades mixed	2.50	.35
Salvia Zangen's Fireball, fine for pots, early.....	4.00	.50
Salvia Zangen's King of Scarlets late	1.00	.50
" " Zurich, earliest dwarf	8.00	.50

For Other Seeds See My New Catalogue.
IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at
any R. R. station in the United States for \$12.50.
Prompt shipments. Write to day for full information.

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Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c. oz. \$4.00.
Pure White. Tr. pkt. 50c. oz. \$5.00.
Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
Boston, Mass.

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Designing and Illustrating
For florists, seedsmen, etc. Photographs
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Onion Seed Onion Sets

We are extensive growers of and
dealers in choice varieties.

Write us for prices.

SCHILDER BROS., Chillicothe, O.

PALM SEEDS

KENTIA SEED

Per S. S. Australis to arrive this month, also other
Palm Seeds for Immediate Delivery

	Per 100	Per 1000	Per 10,000
Kentia Forsteriana.....	\$.50	\$4.50	\$40.00
" Belmoreana.....	.50	4.00	37.50
Cocos Weddeliana.....	1.00	7.50	70.00
Areca lutescens.....	1.00	7.00	70.00
Latania Borbonica.....	.30	2.50	20.00
Livistona rotundifolia.....	2.00	17.50	
" Chinensis.....	1.00	7.50	70.00
Phoenix Canariensis.....	.30	3.00	27.50
" Roebelinii.....	1.00	7.50	
Musa Ensete.....	1.00	7.50	

Prices Upon Larger Quantities on Application

ARTHUR T. BODDINGTON, Seedsman
342 West 14th St.,
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C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

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CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE

Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CABBAGE SEED

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.

Longangsstraede 20,
COPENHAGEN, DENMARK.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

NEW PRICE LIST

of my celebrated winter flowering Sweet
Pea Seed is being mailed. If you have not
received a copy please send for one. New
crop of seed will be ready around July 18th
next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

SEED for FLORISTS TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvia, etc., etc.
Trade list for Florists and Dealers only.

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26 & 27 So. Market St., BOSTON, MASS.

NEW CROP FLOWER AND VEGETABLE SEEDS FOR FORCING

Asters, Salvias, Vincas, Verbenas,
Stocks and Petunias, Tomato "The
Don," Onion "Ailsa Craig," Mush-
room Spawn—English and Pure Cul-
ture. Special prices and catalogue on
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only to those who plant for profit.

JOHN BREITMEYER'S SONS

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High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

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Both 'Phones 2670 Main.



WASHINGTON,
D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

Braddock, Pa.—The Braddock Florist Co.

Peoria, Ill.—James C. Murray, 302 Fulton St.

Braddock, Pa.—B. Seidler at 712 Braddock Ave.

Shenandoah, Pa.—Miss Annie Hillan, 32 West Oak St.

Los Angeles, Calif.—Chas. E. Morton, 206 West Third St.

Ansonia, Conn.—J. W. Willis, Easter plant market, Y. M. C. A. Building.

Waltham, Mass.—Edward Crowley, formerly with Donald Carmichael of Wellesley.

Cleveland, Ohio.—J. M. Gasser Co., Webb C. Ball Bldg., Euclid avenue, opposite East 12th street.

Gary, Ind.—Miss Dora Brown, Gem Bldg., 22 West 7th Ave., under the name of the Gary Flower Shop. Miss Brown is proprietor of the Colonial Flower Shop in Goshen, where she will leave Miss Ruth Cripe in charge.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow...Mar. 31

Atlantic Transport.

Minneapolis, N. Y.-London...Mar. 26

Mesaba, N. Y.-London...Apr. 2

Cunard.

Lusitania, N. Y.-Liverpool...Mar. 30

Carpathia, N. Y.-Mediter'n...Mar. 31

French.

La Lorraine, N. Y.-Havre...Mar. 31

Hamburg-American.

Amerika, N. Y.-Hamburg...Mar. 26

Pretoria, N. Y.-Hamburg...Apr. 2

North German Lloyd.

Koenig Albert, N. Y.-Med'n...Mar. 26

Neckar, N. Y.-Mediterr'n...Apr. 2

G. Wash'g'n, N. Y.-Bremen...Mar. 31

K. Wilh'm II, N. Y.-Bremen...Apr. 5

Red Star.

Lapland, N. Y.-Antwerp...Mar. 26

Kroonland, N. Y.-Antwerp...Apr. 2

White Star.

Cedric, N. Y.-Liverpool...Mar. 26

Laurentic, N. Y.-Liverpool...Apr. 2

Oceanic, N. Y.-S'hampton...Mar. 26

Philadel'a, N. Y.-S'hampton...Apr. 2

Romanic, Boston-Mediterr'n...Apr. 2

Megantic, Boston-Liverpool...Mar. 29

BUSINESS CHANGES.

Newton, Kans.—Hasler & Hasseleman have changed their firm name to Newton Flower Co.

Alvin, Tex.—H. G. Woodward & Son have purchased the business of Mrs. P. E. Nelson.

East Syracuse, N. Y.—It is rumored that C. E. Benedict expects to sell his business and retire.

St. Louis, Mo.—The Tinsley Seed Co. has moved to its new location, 4th St. and Lucas Ave.

Milwaukee, Wis.—The Thomas Weaver & Sons greenhouse and fruit farms in Waukesha county have been purchased by J. I. Beggs.

Wilmington, Ohio.—H. E. Mitting, who has for the past two years conducted the greenhouse known as the Clinton Floral Co., has severed his lease and Geo. Moores is in charge.

Albert Lea, Minn.—The Albert Lea Nursery Co. has purchased the Willow Point Farm of 144 acres and will grow a general line of nursery stock. The present site will be used largely for trial orchards and for packing.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Deliver orders from any part of the country to
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NEW YORK

Our Motto—The Golden Rule

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"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

DANKER, Albany, N. Y.

ORDERS FOR

Choice Flowers and
Floral Emblems

FILLED PROMPTLY

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



LOUISVILLE, KY.
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550 South Fourth Ave.

Established 1874.

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston**MATTHEWS** The Florist
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.WILL TAKE PROPER
CARE OF YOUR ORDERS IN Wisconsin**THE BOSTON
CUT FLOWER CO.**

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE
Falmouth, Mass.**WELLESLEY COLLEGE**Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.**ROBERT J. DYSART**
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET, - BOSTON
Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

PERSONAL.

St. Petersburg, Fla.—H. A. Curtis expects to retire from the flower business.

Fairbury, Nebr.—Roy Towers has accepted a position with the Hulbert Nursery.

Buffalo, N. Y.—James Murray McGraw and Miss Llewella Gaylord were married recently.

Detroit, Mich.—Wm. Gray is now employed by Gus. H. Taepke in his Gratiot Ave. store.

Lancaster, Mass.—Fred Hall has taken a position with the Sutherland greenhouses on Main street, Athol.

Washington, Pa.—C. A. Dunn is proprietor of the flower store formerly owned by Jos. H. Seaman & Co., 60 So. Main St.

Chicago, Ill.—B. Schilder, grower for Weiland & Risch, has gone to Dubuque, Ia., to take charge of a private establishment.

Fargo, N. D.—Mr. and Mrs. C. D. Potter, who have conducted a greenhouse and florist establishment here, intend going west.

Robert Lockerbie, formerly with the Metairie Ridge Nurseries, New Orleans, has now taken a position with J. A. Newsham.

St. Louis, Mo.—Christ. Sanders is now in the employ of Jules Burdett, manager of the Michel Plant & Bulb Co., at Magnolia and Tower Grove Aves.

Cambridge, Mass.—Samuel Hudson, formerly of Elm Court Farm, Lenox, and South Orange, N. J., is W. S. Grassie's successor at the Harvard Botanic Gardens.

Vernon T. Sherwood has accepted a position with William Miller, superintendent of Mt. Desert Nurseries at Bar Harbor, Me. Mr. Sherwood will have charge of the greenhouses.

W. L. Trumppore of Small & Sons, Broadway, New York, is mourning the death of his father, Alexander Trumppore, which occurred on Friday, 18th inst., at Staten Island. Mr. Trumppore was 84 years of age.

R. Vincent, Jr., of White Marsh, Md., will sail from New York for Glasgow on the Caledonian, April 9. He will accompany the British horticultural visitors to the Haarlem and Brussels expositions and will carry credentials as representative of the American Rose Society.

Robert Pyle, president of the Conard & Jones Co., West Grove, Pa., was married in Germantown, Philadelphia, March 15th, to Hannah Warner Cadbury of Germantown. We hasten to add our congratulations, on the happy event, to the paean from the hosts of friends and admirers of the high contracting parties, and to wish them long life and prosperity.

Visitors in Boston: Prof. J. F. Cowell, Botanic Garden, Buffalo, N. Y.; C. W. Knight, Glen Cove, N. Y.; L. Merton Gage, Orange, Mass.; W. F. Gude and Adolphus Gude, Washington, D. C.; H. Eicke, representing O. V. Zangen, New York; F. Lautenschlager, representing Kroeschell Bros. Co., Chicago.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—F. A. Danker, 40 Maiden Lane.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 282 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1700 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

INCORPORATED.

Milwaukee, Wis.—Oshkosh Floral Co., capital stock \$3,000.

Lisbon, Ohio—The Harris Greenhouse Co., capital stock \$5,000.

Tremont, Tex.—E. L. Reel Co., capital stock \$3,000. Will conduct a seed business.

Atlanta, Ga.—McMillan Seed Co., capital stock \$6,000. J. C. McMillan and C. L. Fain.

North Yakima, Wash.—Yakima Fruit Co., capital \$10,000. R. W. Haskins, Geo. L. Haskins and W. M. Nelson.

Oroville, Wash.—East Oroville Orchard Co., capital \$40,000. J. C. Wild, F. D. Wild, A. P. Murray, L. L. Noah and C. S. Burns.

THE BEST LETTERSFOR
FLORISTS'
USETHOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

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LILLIES
\$12.00 per 100.
WHITE and YELLOW DAISIES
\$1.50 and \$2.00 per 100.
VALLEY
\$3.00 and \$4.00 per 100.
SWEET PEAS
75c. and \$1.00 per 100.
KILLARNEY
a large supply of extra good quality.

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WHOLESALE FLORISTS
1209 Arch Street, - PHILADELPHIA, PA.

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want a regular or special supply of the product of the best growers

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Cut Easter Lilies

Well hardened off, long and medium stems. In quantity.

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EDWARDS FOLDING BOX CO
MANUFACTURERS
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Western Headquarters for Choice Orchids
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37 Randolph St., Chicago, Ill.

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WINTERSON'S SEED STORE
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Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

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CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers
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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Mar. 22	TWIN CITIES Mar. 21	PHILA. Mar. 22	BOSTON Mar. 24
ROSES				
Am. Beauty, Fancy and Special...	40.00 to 50.00	55.00 to 65.00	50.00 to 60.00	30.00 to 50.00
" Extra	30.00 to 40.00	45.00 to 55.00	25.00 to 30.00	20.00 to 25.00
" No. 1	20.00 to 30.00	35.00 to 45.00	20.00 to 25.00	10.00 to 15.00
" Lower grades	10.00 to 20.00	15.00 to 25.00	5.00 to 10.00	3.00 to 8.00
Bride, 'Mald, Chatenay, F. & S.	8.00 to 10.00	10.00 to 12.00	12.00 to 15.00	6.00 to 8.00
" Lower grades	6.00 to 8.00	8.00 to 10.00	4.00 to 8.00	2.00 to 4.00
Killarney, My Maryland, Fan. & Sp.	8.00 to 10.00	10.00 to 12.00	12.00 to 15.00	8.00 to 12.00
" Lower grades	6.00 to 8.00	8.00 to 10.00	4.00 to 8.00	2.00 to 6.00
Richmond, Fancy & Special	8.00 to 10.00	8.00 to 14.00	20.00 to 25.00	8.00 to 12.00
" Lower grades	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	4.00 to 6.00
CARNATIONS, Nov. and Fan.				
Ordinary	4.00 to 6.00	5.00 to 6.00	5.00 to 6.00	3.00 to 5.00
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	50.00 to 75.00	..... to 60.00	40.00 to 50.00
Lilies	12.00 to 18.00	12.50 to 15.00	10.00 to 15.00	8.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.50 to 4.00	2.00 to 5.00	1.00 to 3.00
Daffodils	2.00 to 4.00	2.50 to 3.00	..... to 5.00	1.00 to 3.00
Tulips	2.00 to 4.00	2.50 to 3.00	3.00 to 5.00	2.00 to 3.00
Daisies	1.00 to 2.00	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00
Snapdragon	6.00 to 8.00	..... to	1.00 to 2.00	4.00 to 8.00
Hyacinths	3.00 to 4.00	..... to	2.00 to 3.00	2.00 to 4.00
Violets .....	.50 to .75	1.00 to 1.25	.50 to 1.50	.60 to 1.00
Mignonette	4.00 to 6.00	4.00 to 5.00	2.00 to 4.00	2.00 to 4.00
Sweet Peas .....	.50 to .75	1.00 to 1.25	.50 to 1.00	.60 to 1.00
Gardenias	20.00 to 30.00	30.00 to 40.00	..... to	15.00 to 30.00
Adiantum .....	..... to 1.00	1.25 to 1.50	1.00 to 2.00	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 15.00	20.00 to 25.00	12.00 to 16.00
Asparagus Plumosus, strings (100) ..	40.00 to 50.00	40.00 to 50.00	..... to 50.00	..... to 50.00
" " & Spren. (100 bchs.) ..	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00 to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

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Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

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Send for New Catalogue

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1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, *Nephrolepis magnifica*; in o's or cut fronds. Try it.

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LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone: Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. Roses and Carnations Our Specialty

Flower Market Reports.

BOSTON At present writing, Thursday afternoon, there is no indication of any inadequacy in the supply of flowers of any kind for Easter, with the possible exception that single violets seem to be nearly down and out. The weather has been balmy and with abundant sunlight for a week and all vegetation is responding in the liveliest fashion. Not much advance in prices is thought of, although there is a mild stiffening up in the market value of the choicer grades of roses and carnations. Lilies are seemingly in sufficient supply and the old established rate of twelve cents prevails generally. Up to the present moment the Easter orders and shipping trade have been somewhat erratic, so that it is not yet possible to say more than that, thus far, it is assured that the Easter demand will be fully up to the record average, with a possibility that it may run ahead.

BUFFALO A good supply of all material was had last week except white carnations, which, on account of St. Patrick's Day, were sold on sight. Trade in general was fairly good on all lines on Friday and Saturday. The weather being springlike, everything seemed to move except bulbous material, especially tulips, which have had no demand and are hard to move at even the lowest prices. Peas are in excellent quality and variety and have sold well. Violets and lily of the valley are plentiful, with demand weak. The demand has grown stronger on carnations and prices are holding at a point where the bargain signs cannot be displayed. Roses not too plentiful. Kaiserin and President Carnot are of excellent quality. Asparagus bunches scarce.

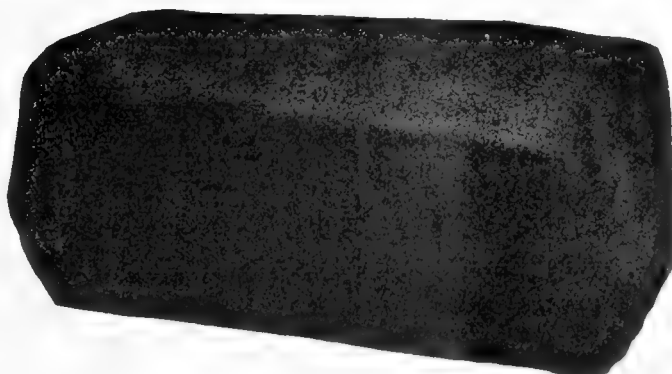
CHICAGO At this writing, Tuesday, Chicago market is in the lull before the storm. The firms that have a shipping trade are quietly booking orders and as the list grows longer the smile of satisfaction broadens. It is generally conceded that lilies are the only flowers of which there will not be plenty. Many growers who sold at ten and twelve now realize that they could just as well have had more. Some speculation is heard as to what price reserve lilies may bring later in the week, some anticipating twenty-five cents, but by the time this reaches our readers the Easter will be in the past. The retailers are hinting of the window decorations they will have, but at this writing no changes have been made. Carnations are rather more scarce than roses, and especially is this true of white carnations. Trade was only fair the week ending March 19 and the following Monday showed an improvement, which relaxed to the former conditions on Tuesday. No special increase in business was noted on account of President Taft's visit and, outside of the increased demand for white carnations for coloring, St. Patrick's Day showed little increase in quantity of sales.

Detroit reports stock plentiful and in very good shape, with probably an over-supply of short lilies.

(Reports continued on page 473)


SPHAGNUM MOSS

Special Prices for Immediate Delivery



Per 7 bbl. bale - - - - \$2.25

Per 10 bbl. bale - - - - 3.50

 **SPECIAL NOTICE.**—All bales are covered with Burlap, thus insuring cleanliness around the store—and also preventing waste.

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THE WHOLESALE FLORISTS OF



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PHILADELPHIA, = PA.

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Mar. 22		Mar. 22		Mar. 22		Mar. 22	
ROSES								
Am. Beauty, Fan. and Sp.	75.00	to 100.00	30.00	to 40.00	40.00	to 50.00	50.00	to 60.00
“ Extra	50.00	to 75.00	20.00	to 25.00	25.00	to 35.00	30.00	to 40.00
“ No. 1.....	25.00	to 50.00	12.00	to 15.00	15.00	to 20.00	15.00	to 20.00
“ Lower grades.....	10.00	to 25.00	6.00	to 10.00	6.00	to 8.00	6.00	to 10.00
Bride, 'Maid, Chatenay, F. & S....	10.00	to 15.00	8.00	to 12.00	12.00	to 15.00	8.00	to 15.00
“ Low. gr.....	4.00	to 10.00	4.00	to 8.00	6.00	to 10.00	4.00	to 6.00
Killarney, My Maryland, Fan. & Sp.	6.00	to 10.00	8.00	to 10.00	12.00	to 15.00	12.00	to 20.00
“ Lower grades.....	4.00	to 6.00	4.00	to 6.00	6.00	to 10.00	6.00	to 10.00
Richmond, Fancy & Special.....	8.00	to 10.00	8.00	to 12.00	.....	to 15.00	12.00	to 25.00
“ Lower grades.....	5.00	to 8.00	4.00	to 8.00	6.00	to 10.00	8.00	to 10.00
CARNATIONS, Novelties and Fancy								
“ Ordinary	5.00	to 6.00	4.00	to 5.00	5.00	to 6.00	5.00	to 6.00
“	3.00	to 4.00	3.00	to 4.00	2.50	to 4.00	.....	to 4.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 75.00	50.00	to 75.00	65.00	to 75.00	.....	to 75.00
Lilies.....	15.00	to 18.00	12.50	to 15.00	12.00	to 15.00	.....	to 15.00
Lily of the Valley.....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Daffodils.....	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Tulips.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Daisies.....	.....	to .50	1.00	to 2.00	1.00	to 3.00	2.00	to 4.00
Snapdragon.....	8.00	to 10.00	.....	to .....	.....	to .....	.....	to
Hyacinths.....	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	.....	to
Violets.....	.50	to .75	.50	to 1.00	.75	to 1.25	.50	to 1.00
Mignonette.....	.....	to	4.00	to 10.00	3.00	to 4.00	.....	to 4.00
Sweet Peas.....	.75	to 1.00	.50	to 1.00	.50	to 1.00	.75	to 1.00
Gardenias.....	25.00	to 35.00	25.00	to 35.00	25.00	to 40.00	.....	to
Adiantum.....	.....	to 1.00	1.00	to 1.50	.75	to 1.00	1.25	to 1.50
Smilax.....	12.50	to	12.50	to 15.00	.....	to 15.00	15.00	to 25.00
Asparagus Plumosus, strings (100)	25.00	to 50.00	25.00	to 40.00	50.00	to 60.00	30.00	to 50.00
“ “ & Spren. (100 bchs.)	25.00	to 35.00	25.00	to 40.00	35.00	to 50.00	30.00	to 50.00

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FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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Glassware Decorative Greens and Florists' Requisites**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR
LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
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till 10 a. m.

Tel. 5243 and 2021 Madison Sq. Res., 345 J., Newtown.

CUT FLOWERS
Finest Lilies in the Market Every Day in the Year.**NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Mar. 19 1910		First Half of Week beginning Mar. 21 1910	
American Beauty, Fancy and Special.....	40.00	to 60.00	40.00	to 60.00
" " Extra.....	15.00	to 25.00	15.00	to 25.00
" " No. 1.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Killarney, Fancy and Special.....	4.00	to 10.00	5.00	to 12.00
" " Lower Grades.....	1.00	to 3.00	2.00	to 3.00
Richmond, Fancy and Special.....	10.00	to 20.00	12.00	to 20.00
" " Lower Grades.....	1.00	to 6.00	2.00	to 6.00
My Maryland.....	2.00	to 8.00	4.00	to 12.00
Carnations, Fancy and Novelties.....	1.50	to 4.00	3.00	to 5.00
" Ordinary.....	.75	to 1.00	1.50	to 2.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
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Southern Smilax, Galax and Leucothoe.
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NOVELTIES**Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

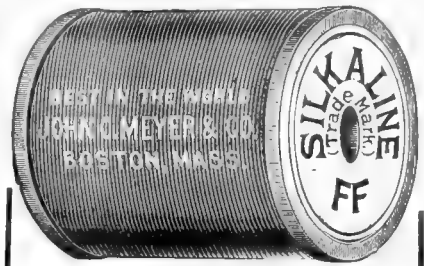
38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.



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Take No Other.

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A. L. YOUNG & CO.

RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.

CONSIGNMENTS SOLICITED.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

FLOWER CROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. WHOLESALE FLOWERS ONLY.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

Flower Market Reports

(Continued from page 410)

CINCINNATI

Business is moving along at a first-class clip. All buyers have

been skirmishing for stock and their only difficulty was to get proper stock with which to fill orders. An unusual circumstance is the fact that flowers of all kinds have been scarce, with the single exception of violets. Everything cleans out of the wholesale houses as fast as the stock arrives, and all orders received in the afternoon have had to be turned down. The prospect for Easter now forms the topic of conversation. The outlook is bright for a large demand. There will undoubtedly be a shortage of Easter lilies and Beauty roses. Beauties are off crop and a good many growers will just miss by a few days with their lilies. Tea roses, generally, will be in good crop; same may also be said of carnations.

NEW YORK

Those who find time to read these observations on the flower

market situation as it is a few days previous to the Easter occasion will know far more about it by that time than we do now, and there is very little that can be said at the present moment concerning it, with profit to anybody. It will then be known to a certainty how the lily crop held out under the Easter onslaught; whether there was anything more substantial than the wish that is "father to the thought" in the predictions of scarcity which have been so freely expressed of late. At present writing the supply coming in does look formidable, and with a great majority short stemmed, although in other respects the quality runs fairly good. Callas are in better request for the moment than are the lilies, and it is not possible to supply all that are called for, the price being nearly double that obtainable for lilies. American Beauty roses, after a very long period of scarcity, are now coming in quite plentifully. Apparently there will be no great trouble to fill all demands, and the prices of

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Mar. 19 1910		First Half of Week beginning Mar. 21 1910	
Cattleyas	35.00	to 40.00	40.00	to 50.00
Lilies	4.00	to 8.00	8.00	to 12.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Narcis. Paper White.....	.50	to 1.00	.50	to 1.00
Trumpet Narcis	1.00	to 2.00	1.00	to 2.00
Tulips	1.00	to 2.00	1.00	to 2.00
Violets.....	.25	to .40	.25	to .75
Nigronette	1.00	to 4.00	1.00	to 4.00
Sweet Peas (per 100 bchs)	3.00	to 8.00	3.00	to 8.00
Gardenias	5.00	to 25.00	10.00	to 35.00
Adiantum	1.00	to 1.25	1.00	to 1.25
Smilax	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings	25.00	to 35.00	25.00	to 35.00
" & Sprea. (100 bchs)	25.00	to 35.00	25.00	to 35.00

two weeks ago are not likely to be again reached for a long time. In fact, all tea roses are very abundant, as are carnations—the latter being of excellent quality. As to violets, there would probably be no more than the Easter demand would consume in a normal way—weather conditions for their use being favorable—but it is generally known that the growers are picking and storing the blooms in advance and an accumulation of "pickled" stock and ragged market in consequence, is feared by the wholesale handlers. Lily of the valley, tulips, and daffodils are in heavy receipt—the market value suffering somewhat from the wagon loads of outdoor bloom being sent to this city from southern sources. As to any radical change in wholesale prices on cut flowers of any kind for Easter it is not expected. Cattleyas may be the exception as there are very few to be had at any price.

Conditions were pretty good last week a little

sluggish early but the wind-up was very good. The carnation market especially showed marked improvement. This crop shortened up a little in supply—and the demand was better. Beauties are still scarce and the Easter week prospect for these indicates high prices for good stock. Pink roses are very fine—Maryland and Killarney exceptionally so. New crop Kaiserins

are coming in in good shape and quite a quantity—so there should be ample in white for all demands. Orchids are fairly plenty—mostly schroederæ—and are in fair demand. Easter lilies (both cut and in pots) will be enough to go around. Violets are of fine quality and not too many—selling about normal. Lily of the valley, pretty good stock—not quite so abundant, and demand probably a little better. Sweet peas not as plentiful and holding much stiffer in price. Bulbous stock, as usual about this time, showed a distinct lull in supply—many of the growers keeping same at home for local Easter demand instead of shipping as usual to the wholesale centers. A good trade was also done with the smaller outlying towns, the local dealers who do much of their own growing buying here for immediate use in order to save their own growing crop for Easter use. Greens in good demand—no surplus.

It is reported that for Easter there seems to be plenty of good stock at hand. The weather this month has been ideal so far to bring forth the best of everything.

SOUTHERN WILD SMILAX

Fully Guaranteed.

LOUISVILLE FLORAL CO.

Louisville, Ala.

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Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

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Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, 5000 strong field stock, 18 to 24 live tops at 4c., also 50,000 privet, 20 to 30, 18 to 24 and 15 to 18 in. Write Benj. Connell, Merchantville, N. J.

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Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

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Asparagus Roots and small Fruits. XX very fine, 2 years' asparagus, \$1.25 per 100; \$5.00 per 1,000. X very strong, \$1.00 per 100; \$4.00 per 1,000; No. 1, 2 year, 75c. per 100; \$3.00 per 1,000. For prices of Strawberries and other small fruit, send for circular. Chas. Black, Hightstown, N. J.

50,000 extra strong 2 and 3-yr. asparagus roots, mostly Palmetto, 2-yr., extra heavy, \$1.00 per 100, \$4.00 per 1000; 3-yr., very fine, \$1.25 per 100, \$5.00 per 1000, packed free. Guaranteed to please. Chas. Black, Hightstown, N. J.

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2000 Bay and Box Trees in all sizes. Pyramid and Standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

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Edward Wallis, Atco, N. J.
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2000 2 in. colons, 9 best bedders, \$15.00 per 1000; 2000 3 in., same varieties, \$20.00 per 1000. Cash, please. C. L. Van Meter, Monticello, Ia.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Tarrytown-Hudson, N. Y.
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Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Centauras, Emperor William, double blue, double white, 25c. per 100; \$2.00 per 1000. W. E. Trimble Greenhouse Co., Princeton, Ill.

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Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Gloria, a large early Enchantress pink mum; Pres. Taft, a huge glittering white midseason; both have stems and foliage unsurpassed. Rooted cuttings now ready, \$1.00 per 25 prepaid; \$3.75 per 100. Gloria, 2 1/2 in., \$5.00 per 100. Chas. Frost, Kenilworth, N. J.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria \$4.00 per 100; \$35.00 per 1000. Virginia Poehlmann, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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300 Cinerarias, 3 1/2 in., budded, nice plants, ready for 5 in.; nice mixture, 8c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

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Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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Cyclamen splendens giganteum hybrids. The strain which I offer is unsurpassable. August seedlings twice transplanted from flats, in five colors, including fringed varieties, \$3.00 per 100, \$25.00 per 1000; from 2½-in. pots, \$5.00 per 100, \$45.00 per 1000. Paul Mader, East Stroudsburg, Pa.

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Peacock Dahlia Farms, Williamstown Junction, N. J. For page see List of Advertisers.

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J. L. Moore, Northboro, Mass. For page see List of Advertisers.

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Above stock is field-grown, sound and true to name. Catalog free to all. C. Peirce, Dighton, Mass.

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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

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400 Marguerite Daisies, large white, large branching plants, from 3 in., ready for 5 in. or bench. Just right for Memorial Day; well budded, 5c. Cash. W. J. Schoonman, Danielson, Conn.

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Frank Oechslein, 4911 Quincy Street, Chicago.

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Peters & Reed Pottery Co., Zanesville, O. For page see List of Advertisers.

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Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100, 3-in. \$4.00 per 100. Mme. Sallerol out of 2 inch, fine plants, \$2.00 per 100. Verbenas out of 2 inch, separate colors or mixed, \$2.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbrer, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

Rose Geraniums 2½ in. \$2.50 per 100. Chas. Frost, Kenilworth, N. J.

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Gladioli. Groff's Hybrids. White light and yellow mixture. Pink and shades of pink mixture. All first sized bulbs, at \$1 per 100, \$7 per 1000. C. Peirce, Dighton, Mass.

Gladiolus Alice Carey, the best white in cultivation. No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

Gladiolus seed from choice mixture. \$2.00 per lb. C. V. Woodruff, Orange, Conn.

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Gladioli Mrs. Francis King, \$3.00 per 1000; also other choice sorts cheap. Cash. P. O. Coblenz, New Madison, Ohio.

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Boston Plate & Window Glass Co., Boston. For page see List of Advertisers.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnson Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

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Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

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Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

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Pecky Cypress for Benches.
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S. Jacobs & Sons, 1350-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

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Florists' Hall Asso. of America.
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Mineralized Rubber Co., New York, N. Y.
Anchor Garden Hose.

HOT-BED SASH

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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS.

Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2½-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

Hydrangea arborescens grandiflora. We have the largest stock of strong, 2-year plants in America. Plants 2 to 3 ft., \$2.50 per doz.; 15.00 per 100; \$140.00 per 1000; good plants, 15 to 20 inches, \$10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

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Nicotide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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Stump & Walter Co., New York.
Kiln-dried Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
Scalecide.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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IRIS

E. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IRON VASES

Walbridge & Co., Buffalo, N. Y.

IVIES

Ivy, English, pot grown plants, 4 in. pots, 3 ft. long, 3 to 5 branches, \$12.00 and \$15.00 per 100. A. L. Miller, Jamaica, opp. Schenck Ave., Brooklyn, N. Y.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
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Jos. Heacock Co., Wyncote, Pa.
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Ellwanger & Barry, Rochester, N. Y.
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Bay State Nurseries, North Abington, Mass.
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Morris Nursery Co., New York, N. Y.
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C. R. Burr & Co., Manchester, Conn.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

OLD ENGLISH GLAZING PUTTY

Hammond's Paint & Slug Shot Works,
Fishkill-on-Hudson, N. Y.

ONION SETS

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Schilder Bros., Chillicothe, Ohio.
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ORCHID PLANTS

Stuart Low & Co., Enfield, England.
Burmese Dendrobiums and Other Seasonable Orchids.

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Importer, Exporter, Growers, Hybridists.
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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
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Gerudt & Co., Newark, N. J.

C. W. Brownell Co., Walden, N. Y.
Orchid Peat (Osmunda Fibre).
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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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John Scott, Brooklyn, N. Y.

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A. N. Pierson, Cromwell, Conn.

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Julius Roehrs Co., Rutherford, N. J.

PANSY PLANTS.

Pansy plants, from fall sown seed, 50c 100 prepaid; \$3.00 1,000 by express. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand.
Julius Roehrs Co., Rutherford, N. J.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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PELARGONIUMS

200 Pelargoniums, 4 in., large plants, mostly budded, good variety, 10c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
Double Petunias.
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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

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Buxton Doane Co., 13 Midway St., Boston.
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Metropolititan Material Co., Brooklyn, N. Y.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

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POTASH

German Kali Works, Baltimore, Md.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Ronsderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch, 2c.; Obconica gigantea, mixed, 2 inch, 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. Fink, Pottstown, Pa.

PRIVET

California Privet, 10 to 15 inches, branched, \$10.00 per 1000; larger sizes at low rates. E. Y. Teas, Centerville, Ind.

RED CHRISTMAS FLOWER NOVELTY

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Grafted Roses.
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The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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SILKALINE

John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.
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SOUTHERN SMILAX

Louisville Floral Co., Louisville, Ala.
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SPHAGNUM MOSS

Sphagnum moss, best quality, 80c. per bale; 10 bales, \$7.00. Cash with order. Write for prices on larger quantities. L. Amundson & Son, City Point, Wis.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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E. H. Hunt, 76-78 Wabash Av., Chicago, Ill.
New Chicago Sprayer.

SPRAYING OUTFITS

J. G. Mastin & Co., Chicago, Ill.
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STEVIA

Stevia rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

In writing to Advertisers kindly mention Horticulture

STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

Strawberry Plants and Asparagus Roots. All the leading varieties, and at prices that are right. Catalog free. C. Peirce, Dighton, Mass.

SULFOCIDE

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SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
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THYME

Thymus citriodorus aureus. Golden Leaved, Lemon Scented Thyme. Per doz. 80c., per 100 \$4.00. Wild Plant Improvement Gardens, Santa Ana, Cal.

TRITOMAS

Tritoma Pfitzerii, red hot poker plant, \$6.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.

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CABBAGE—Jersey, Chas. Wakefield, Early Spring and Succession, \$1.00 per 1000; \$8.50 per 10,000. \$3.00 transplanted.

TOMATOES—Comet, Livingston's Beauty and Dwarf Champion (80c. per 100, transplanted), 2 in., \$2.00. Fine stock.

LETTUCE—Big Boston, Boston Market and Grand Rapids, \$1.00 per 1000; transplanted plants, \$2.50.

PARSLEY—25c. per 100; \$1.25 per 1000. ASPARAGUS roots, Conover's Colossal and Palmetto, very fine, \$1.00 per 100; \$4.00 per 1000.

Cash with order. W. E. Trimble Greenhouse Co., Princeton, Ill.

VENTILATING APPARATUS

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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1123 Broadway, N. Y.

VERBENA

Lemon verberna rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

VINCAS

Vinca variegata rooted cuttings, 75c per 100, prepaid. Cash. Chas. Frost, Kenilworth, N. J.

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VIOLET THREAD

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Green Silkaline.
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WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, La.

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Southern Wild Smilax.
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Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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NEWS NOTES.

J. A. Peterson is spending a week at French Lick Springs, but will be home in time for the Easter rush.

James Allan, of the firm of George & Allan, has received the appointment as city nurseryman from the Park Commissioners.

Falling walls at the collapse of a greenhouse in Eden Park, March 13, injured several people. Wm. Huber and Ruth Touschardt both had their skulls fractured. Two others were less seriously injured.

A visit to Thos. Windram's place at Cold Springs, Ky., shows that he will be right in crop with an elegant lot of carnations. Mr. Windram has also bought an automobile, which shows that he is prospering.

A jury verdict on March 17, awarded George & Allen \$1,065 damages from the city for loss resulting from a broken water main Dec. 6, 1908. The heating plant was rendered ineffective and claim for \$5,695.75 was made.

Charles W. Dudley of J. W. Dudley & Sons, Parkersburg, W. Va., was a caller on the trade the past week. They have four houses of hydrangeas in bloom for Easter and he stated he had taken orders for all of same.

Cincinnati, Ohio—The establishment of A. Sunderbruch Sons at 232 W. 4th street was broken into last Thursday night, the cash drawer being rifled of 200 two-cent postage stamps. The thieves also tried to force the safe, but succeeded only in loosening the hinges.

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Farquhar, R. &	472	Pennock-Meehan	491		
J. & Co.	472	Co.	491		
Fiske, H. E. Seed	487	Perkins St. Nur-	471		
Co.	487	series	471		
Foley Mfg. Co.	503	Peters & Reed	502		
Ford Bros.	492	Co.	502		
Froment, H. E.	492	Pierce, F. O.	502		
		Pierson, A. N.	484		
Galvin, Thos. F.	489	Pierson, F. R. Co.	471		
German Nursery	486	Pierson U-Bar	504		
& Seed Co.	486	Co.	504		
German Kali	500	Poehlmann Bros.	490		
Works	500	Pollworth, C. C.	489		
Greater N. Y.	492	Pratt, B. G. Co.	487-500		
Florists' Asso.	492	Pulverized Man-	501		
Grey, T. J. Co.	487	ure Co.	501		
Gude, Bros. Co.	488	Rayner, I. M.	484		
Guttman, Alex. J.	492	Raynor, John I.	492		
		Reed & Keller.	492		
Hall Association.	503	Reinberg, Peter.	490		
Hartmann Hjal-	487	Rice Bros.	490		
mar & Co.	487	Rice, M. & Co.	470		
Hauswirth	488	Richards Bros.	487		
Hencock, Jos. Co.	481	Robinson & Co.	490		
Henderson, Peter.	444	Rock, Wm. L.	488		
Herbert	472	Roehrs, Julius Co.	483		
Hews, A. H. &	502	Roland, Thos.	481		
Co.	502	Rolker, A. & Sons.	502		
Hillfinger Bros.	502	Rosens	489		
Hill, D.	472	Sander & Son.	483		
Hill, The E. G.	484	Schilder Bros.	487		
Hitchings & Co.	504	Schlegel & Fot-	484		
Hoerber Bros.	490	ter Co.	484		
Hoffman	488	Schultheis Bros.	472		
H. o m e Corresp.	502				
School	486-502				
Horan, E. C.	492				
Jager, Chas. J.	501				
Co.	501				
Johnson, D. D.	501				

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED

A first class man as manager of a large commercial place where roses and carnations are grown; must have had experience and be competent to take full charge; good salary to right man. In answering give full particulars as to experience.

Grower, care of HORTICULTURE.

WANTED

Competent vegetable grower on large private place, either married or single. Good wages and a permanent place for good man.

Apply to

WILLIAM PLUMB, South Natick, Mass.

AN EXPERIENCED NURSERYMAN

For propagating shrubs, herbaceous and bedding plants. State references, age and wages wanted. Address

Rhode Island Nurseries, Newport, R. I.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

WANTED—Assistant in commercial place, growing general blue bedding stock and carnations. State wages. J. W. Adams & Co., Springfield, Mass.

SITUATIONS WANTED

GARDENER—Wishes position—Single man, 36 years of age, 20 years' experience as gardener. First-class florist, fruit and vegetable grower under glass and outdoors. Wishes position on gentleman's estate. Best of references. Please state full particulars, 86 Western ave., Morristown, N. J.

SITUATION WANTED—Andrew Morrison, late with Curwen Hoddert, Rydal, Pa., and E. P. Wright, Duarte, Cal., is open for engagement in a good private place. Address him care HORTICULTURE, 9th and Market Sts., Phila.

GARDENER—Landscape and floriculturist, has talent and fondness for his profession; competent to take charge of large estate; Swiss, 37 years of age; married; two children; wages \$70 and house. S. A. Leland, 47 West 129th St., N. Y. City.

WANTED SITUATION by English gardener; experienced in all branches; excellent references; age 35; private place preferred. B. Disley, 425 West 13th St., Oklahoma City, Oklahoma.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

THE PLAIN TRUTH.

Here is a man talking about neckties, for instance—he says: "We are noted for supreme leadership in neckties." Just think of it:—"supreme leadership!" I've got a good opinion of myself, but I'd never admit that I'd got "supreme leadership" in anything!

Go back thirty years and see how Jno. Wanamaker built up on plain truth! Sam Pennock said to me the other day: "George, I've been studying this advertising proposition these twenty-five years, and I have finally come to the belief that only the plain truth is worth spending money on!"

Go over the big successes, as great world-wide advertisers—what do they all say? Speak the absolute truth, and back it up with acts. That's the way to make advertising pay. If not at first, by and by imperceptibly it comes in. You don't know where nor how, but it comes. No one says, "I saw your adv. in the Podunk Gazette," but you know the silent heaven has been working all the time and that your good dollars are at last bringing in their harvest.

As for exaggeration, I believe more fortunes have been thrown away on space for that (exaggeration) than on all the gold-brick schemes and wild-cat mining ventures that the world ever knew. Never exaggerate! Tell the plain truth in the plainest language you know how to use and you will win out.

Of course, there is an art in telling the plain truth without exaggeration; but as Rudyard Kipling says—that is another story. That's where Wanamaker and the rest of them come in. Another thing, I don't believe in spasmodic advertising! Fortunes are thrown away in that.

Mr. Editor, I guess I'm getting into deep water now, and had better not say any more. I have a good many spasmodic customers, and they might jump on me; and a customer is a customer, however you may look at it. All the same, I'm not going to side-step. I have courage enough to sign my name, as I've always done these last thirty years.

G. C. WATSON.

CHICAGO NOTES.

The Parks.

As is the custom at this time the various conservatories are ablaze with color, and thousands of visitors throng the aisles and enjoy to the full the special display which marks the approach of Easter. The opening day was Palm Sunday and at Garfield Park it was estimated by the guards that 15,000 people passed within the doors. The show room naturally attracted the most attention and the color schemes, now brilliant and again subdued, were well carried out. Each day during Passion Week, new plants were added, the Easter lilies being held back till the end.

The rebuilding of the roof of the great dome last fall is now pronounced a success, as it has withstood the test of the winter. The contract for the remaining houses is now under contemplation. Mr. Sell has had to labor under difficulties, every wind storm carrying off from fifty to one hundred lights, and three men were kept busy all winter making repairs on the roof. These conservatories were built two years ago and were a failure. In rebuilding no curved glass is used, and each glass is set in copper.

Head Gardener Rudolph Schiele was host to the throngs who filled the Lincoln Park greenhouses at their formal announcement that spring is here once more. Lilies were a predominating feature and Mr. Schiele has been successful in getting them out at just the right time. The houses will be open till 10 p. m., each evening till after Easter.

A Practical Idea.

It is not generally known that the West Park Board has fitted up kindergartens at Parks No. 3 and No. 2, where plants are furnished from the park conservatories and used as object lessons to the little children.

The idea originated with the Society for Permanent School Extension and was adopted by the West Park Board. Easter lilies, daffodils, tulips, etc., are used as the basis for stories by the teachers and are reproduced in pictures, etc., by the little folks.

Lessons on seeds, bulbs, the care of plants, how to make and care for a garden, etc., will all be taught, and as these schools are in a crowded portion of the city these children would doubtless have no other opportunity to learn of plant life. Perhaps these schools will produce some new lights in the horticultural world, who knows!

A Close Call.

The various florists in the Fairbanks Building, Wabash avenue, had a close call, March 21st, when fire practically destroyed the upper floors and shut off the elevator service. On the second floor is located the Flower Growers'

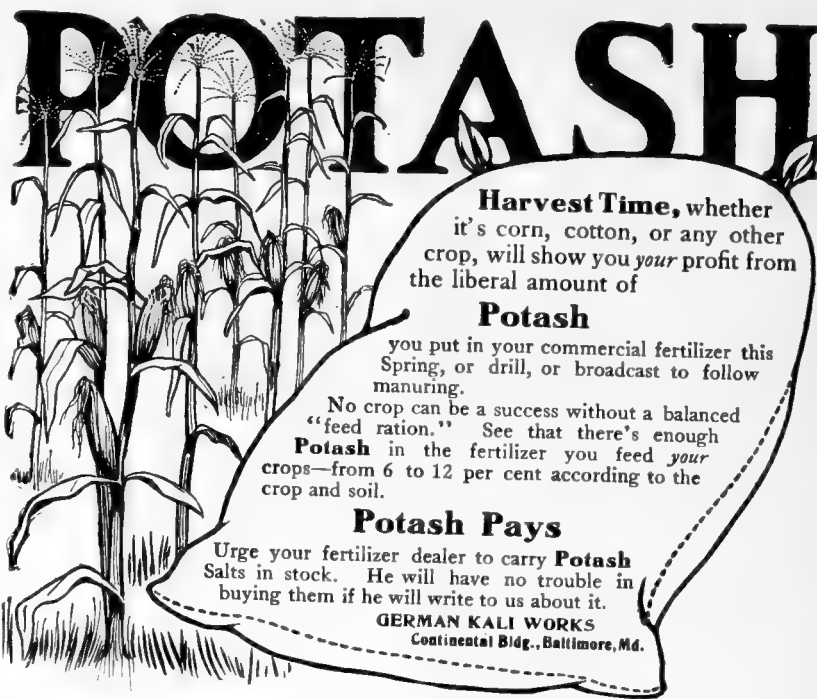
ONION SETS — POTATOES

Early Ohio Potatoes, \$1.10 bu.; Early Irish Cobblers, \$1.10 bu.; Genuine Danish Ball-head Cabbage Seed (imported stock) \$4.00 lb. All Early Reddish seed French stock \$1.10 per lb. Northern grown Yellow or White Onion Sets, \$2.00 per bu. All F. O. B. Syracuse. Remittance with order. Reference any bank in Syracuse.

F. H. EBELING, Seedsman

Established 1868

Syracuse, N. Y.



POTASH

Harvest Time, whether it's corn, cotton, or any other crop, will show you your profit from the liberal amount of

Potash

you put in your commercial fertilizer this Spring, or drill, or broadcast to follow manuring.

No crop can be a success without a balanced "feed ration." See that there's enough **Potash** in the fertilizer you feed your crops—from 6 to 12 per cent according to the crop and soil.

Potash Pays

Urge your fertilizer dealer to carry **Potash** Salts in stock. He will have no trouble in buying them if he will write to us about it.

GERMAN KALI WORKS
Continental Bldg., Baltimore, Md.

Market, and the water from the rooms above poured down through the ceiling. Notwithstanding, business went on as usual.

An Instructive Exhibit.

A study for the florist and one that might be of real help to him is the "Garden" reproduced by Marshall, Field & Co. It occupies the entire large south room on the eighth floor and the amount of material used is enormous. It is designed as a setting for artistic summer furniture, and far surpasses anything else of its kind attempted by this house. There are masses of flowers and foliage, surrounding a court with a fountain, vine-covered trellises, lanes overhung with roses, clematis and wistaria. A dozen men are employed to do the decorating of this store and under the supervision of an expert obtain results that are worthy of careful study by the florist who would do tasteful decorating.

Personal.

Archie Spencer, for several years with Peter Reinberg in his wholesale store, is now with Lubliner & Trinz, 44 Randolph street.

Michael Stauch, formerly of Joy & Son, Nashville, Tenn., was in Chicago for a few days on his way home from six months in Germany.


Visitors: R. A. Lalham, Minneapolis, Minn.; Geo. Vatter, Marinette, Wis.; Miss E. Kaber, Laporte, Ind.; W. Anderson, Kenosha, Wis.; J. Litzall, Geneva, Ill.; J. H. Shelton, Rochester, Ind.; Michael Stauch, Nashville, Tenn.

BRITISH JOTTINGS.

A party of Canadian fruit growers will visit this country this year, on the invitation of the National Fruit Growers' Federation.—The Horticultural Club continues to make good progress on prosperous lines, judging from the report presented at the re-

cent annual meeting.—The first of the "Masters" lectures for this year has been given by Mr. A. D. Hall, director of the Rothamsted Experimental Station, the subject being, "The Adaptation of the Plant to the Soil."—As previously announced in my notes, a fund is being raised to provide a suitable memorial to the late Mr. Peter Barr, the "Daffodil King." The promoters desire to provide a Barr medal to be awarded annually in connection with work amongst daffodils and the maintenance of an orphan through the medium of the Royal Gardeners' Orphan Fund.—The spring bulb show of the Royal Horticultural Society, held on March 8 and 9, was a great success.—The National Chrysanthemum Society has arranged to hold a trial of all varieties of single chrysanthemums during the forthcoming season, with a view to determining varieties that are too much alike.

W. H. ADSETT.



NIKOTEEN APHID PUNK
AND
NIKOTEEN LIQUID
THE ORIGINAL NICOTINE
INSECTICIDES
WRITE FOR
CIRCULAR & PRICES
NICOTINE MFG. CO.
ST. LOUIS, MO.



PRATT'S
"SCALECIDE"
Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

Tobacco Paper

IS THE

STRONGEST,**BEST PACKED,****EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

“NICO-FUME” LIQUID

OVER 40% NICOTINE

By far the

CHEAPEST.

JUST NOTE PRICE!

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

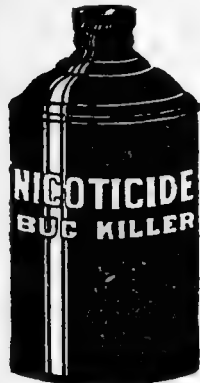
**Cattle Manure in Bags
Shredded or Pulverized**

Pure—dry—uniform and reliable.
The best of all manures for the
greenhouse. Florists all over the
country are using it instead of
rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on
the market. Pure manure and nothing
else. The best fertilizer for carnations and for
liquid top-dressing. Unequalled for all field use.
Write for circulars and prices.

The Pulverized Manure Company
31 Union Stock Yards Chicago

**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P.R. Palethorpe Co.
OWENSBORO, KY.

KILMDEAD
The best of all
the tobacco
dusts for

Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 9.00 1000 lbs., \$27.00
50 lbs., 1.75 200 lbs., 14.00 2000 lbs., 52.50

Swamp & Walter Co. 50 Barclay St., New York.

**Begin Fighting Caterpillars Now;
Band Your Trees With Strokum**

DO it before the caterpillars or tussock
moths begin to crawl up the trunks.
Keep the first ones from attacking the
tender leaves. Every crawler killed now
means hundreds less later on.

STROKUM is a perfectly harmless veg-
etable product that is the most effectual
banding substance known.

It's easy to apply, does not stick to the
tree when removed, will last an entire
season. The caterpillars can't crawl under
it because it fills up the chinks of the
bark. They won't crawl over it. Birds
will not carry it away as they do cotton.
Fly paper does not fill bark chinks and
dries up in a few days. Smeared-on tar
preparations dry up and disfigure trees
indefinitely.

STROKUM besides being effectual, is not
unsightly.

Send \$3.00 at once for a sample package
of 15 pounds, which is enough to band 15
trees, 3 feet around. Delivered free any-
where East of the Mississippi. West of
the Mississippi, 50c. extra.

Let us mail you our illustrated booklet.

**George Stratford Oakum Co.**

164 Cornelison Avenue. JERSEY CITY, N. J.

**Immediately Available Plant Food
EVERGREEN BRAND FLOWER FERTILIZER**

It permanently enriches the soil. It prevents the on-
slaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

D. D. Johnson, 64-66 Wabash Ave., Chicago.

Write for further information

**The Mastin Automatic White-wash and Spraying Machine
is Reliable, Practical and Durable**

The tank is made of galvanized sheet steel, and in brass.

The pump is of brass throughout, simple and powerful.

The mixing device keeps the contents of the tank well stirred up from start to
finish.

When the machine is filled to within six inches of the top, a few strokes of
the pump will compress enough air in the tank to produce a continuous mist-like
spray for fifteen minutes.

All parts are made to gauge, and may be had for repairs.

Just the thing for distributing liquid fertilizer in greenhouses.

Ask your dealer about our **EXTENSION HOSE, EXTENSION RODS, and the
MASTIN WHITE-WASH NOZZLE** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co.,

3124 West Lake Street
CHICAGO, ILL.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees
and vines; for whitewashing, fire protection
window and carriage wash; wherever you
use it, the Deming "Perfect Sprayer" saves
time and trouble and does better work.

Deming Spray Pumps

Hand and power, nearly two dozen
kinds; designed and tested by practical
growers, and used by government and
Experiment Station experts. Catalogue
and Spraying Calendar free. Write for
Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street. BOSTON

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

**Pearson Street,
LONG ISLAND CITY, N. Y.**

**A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.**

**452-460 No. Branch St.,
CHICAGO, ILL.**

PATENTS GRANTED.

- 951,119. Burrowing Pest Destroyer. Thomas G. Hitt, Seattle, Wash.
- 951,441. Boll Weevil Destroyer. Rufus P. Johnson and Eli W. Ramsey, Dalley, La.
- 951,476. Beet Harvester. James A. King, Three Rivers, Mich.
- 951,547. Lawn Edger. Frank J. Randall, Los Angeles, Cal.
- 951,679. High Power Boiler. Louis M. G. Delaunay-Belleville, Paris, France.
- 951,807. Plant Protector. Frank S. Erdly, Jersey Shore, Pa.
- 951,889. Pipe Coupling. William H. Teuer, Carterville, Mo.
- 952,053. Pipe Hanger. George H. Tarleton, West Somerville, Mass.
- 952,152. Plant Spray. Alvin Taplin, Forestville, Conn.
- 952,308. Grass Catcher for Lawn-Mowers. Frank Clemens, Jr., Crestline, Ohio.

OUR

MARBLE LIMESTONE

(CALCITE)

ground to 80 mesh, is the ideal form of lime for most soils.

Approved by all Experiment Stations. No discomforts from its use and no bursting of bags.

CAN BE APPLIED AT ANY SEASON WITHOUT HARM TO GROWING CROPS. The fine grinding insures quick results. We will accept orders NOW for delivery AFTER April 15th in the order of entry.

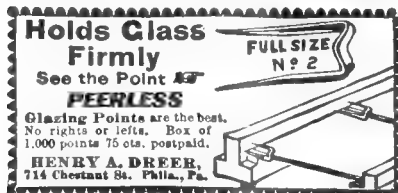
SEND FOR CIRCULAR,

GET YOUR ORDER IN EARLY.

THE STEARNS LIME CO., Danbury, Conn.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.


GREENHOUSES BUILDING OR CONTEMPLATED.

- Oregon, Ill.—C. G. Gilbert & Co., addition.
- Rushville, Ind.—F. Windeler, one house.
- Sparta, Mich.—N. R. Hulbert, two houses.
- McKeesport, Pa.—John Orth, two houses.
- Dayton, Ohio.—Miami Floral Co., addition.
- Watervliet, N. Y.—Henkes, Bros., extension.
- Groveville, N. J.—Wm. Robinson, one house.
- Ottumwa, Ia.—C. Kranz, four houses, 23x300 feet.
- Evansville, Ind.—J. C. Elsperrmann, two houses.
- Cumberland, Ind.—Smith & Young, smilax house.
- Vincennes, Ind.—Paul Schultz, addition 26x130 feet.
- Kirkwood, Mo.—J. H. Deickman, two houses, 25x200.
- Salt Lake City, Utah.—Miller Floral Co., range of houses.
- Eugene, Ore.—H. A. Newton, Willamette St., violet house.
- Lunenburg, Mass.—James S. Gilchrist, vegetable house.
- Hopkinsville, Ky.—Wm. F. Snyder, Fourth street, showhouse.
- Rhinebeck, N. Y.—Joseph Moore, violet house, 20x150 feet.
- Geneva, Ill.—Burbank Greenhouses, four houses, 26-9x200 feet.
- Montreal, Que., Can.—A. C. Legare, two violet houses, 25x100 feet.
- Watertown, Ill.—Julius Saack, two houses, each 400 feet in length.
- Lewiston, Me.—Ernest Saunders, Upper Main St., house 200 ft. long.
- Richmond, Va.—Mrs. Annie L. Brooker, King iron-frame house, 28x206.
- St. Paul, Minn.—Holm & Olson, eight houses; five 22x100; two 17x100; one 10x130.
- Batavia, N. Y.—C. L. Stroh & Sons, South Main and River Sts., house 70x150 feet.
- Secaucus, N. J.—The Meerbott Floral Co., two iron frame houses, 21 x125 feet, King construction.

FIRE RECORD.

Espy, Pa.—Greenhouse, two barns, stock, etc., of Bert Miller, damaged March 12; loss \$5,500.

Hammonton, N. J.—A fire in the greenhouse of Watkis & Nicholson, Monday evening, March 21, did considerable damage. The weather being mild and above freezing luckily prevented more loss.

Pittsfield, Ill.—The greenhouse of Mrs. George Hansen, partially destroyed March 14th; loss covered by insurance.

Knoxville, Tenn.—The grafting house of the Knoxville Nursery Co. was destroyed by fire the night of

March 7th with an estimated loss of \$35,000, partly covered by insurance. It is thought the fire was of incendiary origin.

Greenlawn, Ohio.—The greenhouse at the East entrance to Greenlawn cemetery, damaged March 14 to the extent of \$100.

DREER'S Florist Specialties

KEYSTONE CEDAR PLANT TUBS



Diam.	Each.	Doz.	100.
A 11 in.	.65	7.55	55.00
B 12 1/2 "	.75	8.25	65.00
C 13 1/2 "	.85	9.35	75.00
D 14 1/2 "	1.00	11.00	90.00
E 15 1/2 "	1.25	13.75	110.00
F 16 1/2 "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER

714 Chestnut Street
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/2 " " " 5.25	120 7 " " " 4.20
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crate \$3.60
450 4 1/2 " " " 5.24	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
210 5 1/2 " " " 3.78	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

All The Clay for our Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio.

FLORICULTURE

Complete Home Study Course in practical Floriculture under Prof. Craig and Prof. Batchelder of Cornell University.

Course includes Greenhouse Construction and Management and the growing of Small Fruits and Vegetables as well as Flower Under Glass.

Personal Instructions. Expert Advice

260 PAGE CATALOGUE FREE WRITE TO DAY

The HOME CORRESPONDENCE SCHOOL

Dept. H. F. Springfield, Mass.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Write to us about your
Material and Plans
for any size and style of
GREENHOUSE

for new structure or repairs.

Hot Bed Sash

in stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.

CHICAGO, - - ILL.



**The Advance
Ventilating Machine**

Have you been looking for a Ventilating Machine? Here is one of the highest quality and has been proved to be the best. It is sold at a reasonable price and it excels all others in its ease of operation. Write for reasons why this machine becomes a favorite wherever it goes. Every user is an advertiser, for every user is perfectly satisfied with our line.

The Advance Co.
RICHMOND, IND.

PATENTS
Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

**GREENHOUSE CONSTRUCTION
LUMBER**

John C. Moninger Co.

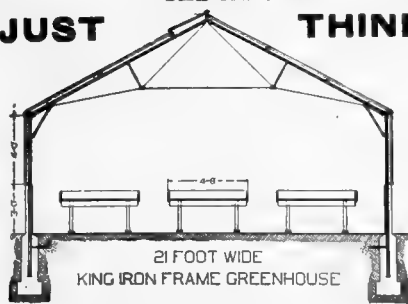
117 E. Blackhawk St., CHICAGO.

"ASK THE MAN WHO HAS ONE"

"THE KING IRON FRAME House has made good."

JUST

THINK WHAT IT MEANS



21 FOOT WIDE
KING IRON FRAME GREENHOUSE

Easiest to Erect

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

**42' 0" HOUSE STANDS
"LIKE A STONE WALL"
IN 70 MILE GALE**

P. & W. O. JAHN,
House 42 x 130

E. Bridgewater,
Mass.

S. J. GODDARD,
House 35 x 134

S. Framingham,
Mass.

CARL JURGENS,
4 Houses 28 x 200

Newport,
R. I.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS

IF IN NEED OF ANY

WHY HESITATE ABOUT BUYING?

PERHAPS YOU PREFER TO PAY MORE.
DO NOT BE MISTAKEN, BUY NOW.

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.
GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street

BOSTON

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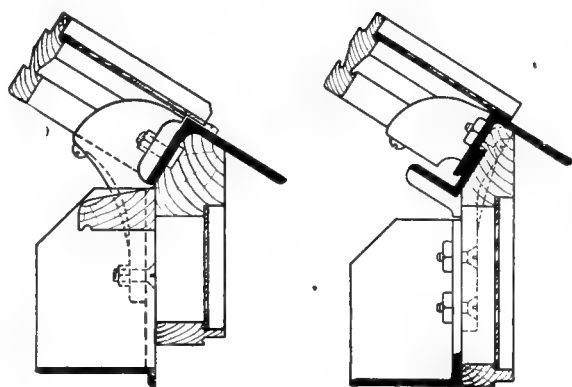
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HORTICULTURE

Vol. XI. APRIL 2, 1910 No. 14



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Switzerland as Seen by An American Horticulturalist

Mr. Editor:—In reply to your request for a few lines regarding my visit to certain parts of Europe, relating especially to agriculture and horticulture, as seen from the standpoint of a grower of flowers, I do not propose going into any particular line of horticulture, but rather to give your readers who have not visited these places an idea of the great love of plants, flowers and shrubs prevailing all parts of Europe today, and describe the conditions in which they are grown in a general way in Switzerland, Germany and Belgium. I will first take up Switzerland, where I had the pleasure of spending a month last summer in the city of Thun.

This section is considered the most beautiful part of Switzerland, situated as it is at the end of Lake Thun, facing the great chain of peaks such as Eiger, Monch, Youngfrau and the Blomesheshalps (the Blooming Alps), towering from 12,000 to 14,000 feet and capped with snow. At the head of the lake the famed city of Interlaken nestles at the base of the Youngfrau.

Nature here seems almost perfect, and any addition or embellishment by the landscape architect or gardener would at first sight seem superfluous. But such is the artistic nature of the Swiss that they have been able to add to the natural beauty of the landscape and emphasize it by their care, thrift and knowledge of horticulture without destroying it.

In appearance Switzerland is like a great park, perfectly kept, with the added advantage of its magnificent scenery standing out boldly in all its glory, groomed carefully, but so artistically done that it emphasizes, but does not spoil nature's own perfection. Looked at from a gardener's standpoint, he sees the sward a perpetual green, mostly clover, cut in the valley four times a year, producing the effect of a perfectly kept lawn.

The Swiss love nature, and as they are surrounded by green and white, appreciate coloring which harmonizes with the landscape. This is shown in their houses, but especially so in their gardens. The grounds around their chalets are planted with brilliant shrubs, roses, *Salvia splendens* and gladioli, climbing geraniums, and other bright flowering plants. Their windows are adorned with window boxes, filled generally with scarlet geraniums. No matter how poor they may be, they always have a small garden and their windows brilliant with plants.

Crimson Rambler is seen here in all its glory, either planted as a hedge, trailing up one side of the chalet, or grown as specimen plants in the garden. One beautiful bush was seen in front of what was no more than a farm house, but it had been trained, pruned, tied and carefully nursed, until it covered a space 20 feet in circumference. When I saw it about the 20th of July it presented a magnificent appearance, and a sight of red buds, with fine, thrifty foliage, never to be forgotten. Owing to the cool nights their season of bloom-

ing is much prolonged, and the flowers are fuller and more perfect in shape and form than with us.

Another very interesting find was in a garden, where in a centre-bed raised above the garden grade was seen our own beautiful golden rod, with its magnificent golden coloring, flowering, however, in July instead of as with us, in September.

Sweet peas, carnations and roses of all kinds flower there through the summer in quality, coloring and substance as fine as can be produced here in winter. Tuberous begonias are also grown finer than it has been my pleasure to see, either under glass or even as cultivated out of doors in England. The flowers are beautifully colored, large size, perfect shape, and splendid foliage.

The Swiss are known mostly as hotel keepers. This is true, and to their credit. Travelers come here from all climes, and (volens volens) must be housed and entertained. In doing so they show their guests not only their magnificent mountains, but know how to frame them with a unique, charming and useful house called chalet. These chalets are built to combine usefulness and conform architecturally with the landscape. They are pleasing to the eye because they are, and form part of, the surroundings, giving a natural, restful tone to the landscape. Their type of architecture has evidently been evolved from experience, just as our log cabins and dugouts were the outcome of necessity and the best protection from the elements. In summer these chalets, with their wide, over-lapping roofs, broad balconies, and their outside stairway, become in winter a protection against snow, and their outside stairway helps to dislodge the too heavy snow from their eaves, and is also a means of exit when the snow is too deep to open the front door.

The Swiss, living amongst these beautiful surroundings, have inherited the love of the beautiful in nature more than any other people. In living with them even for short time one is impressed with their fearlessness and energy, and with it all their love of their country because of its beauty. But, not forgetting the material side, their forests return them a large yearly revenue. These consist mostly of pine forests which are under government supervision, and only those trees of a certain size receive the legal sanction by a certain mark, allowing them to be cut. For every tree removed, another must be planted, thus keeping up and improving their forests. Great care is exercised against fire, and all small timber, weeds, etc., are carefully kept trimmed, only leaving the decaying leaves for a mulch to help feed and sustain with moisture the trees.


Again, in the last few years since electricity has been made available for commercial purposes, thanks to their waterfalls and swift moving streams, the Swiss have harnessed nature's power so that not only has it been possible to use it in their factories, but owing to its cheapness for even the most humble to have a wire in his chalet which supplies light, heat and power. These electric wires are strung all over the mountains, and when lighted at night produce a wonderfully beautiful scene. These chalets illuminated look like little stars sparkling on the hills, and as the eye descends toward

the valleys and along the shores of the lake, make a picture seen in no other land.

Add to this, as always occurs on fete days, music, colored lanterns, and beautiful fireworks, and one would almost think oneself with Alice in Fairyland.

Agriculturally and horticulturally the Swiss show what can be accomplished even from a cold, barren, mountainous country, half the year under snow and ice. These people not only get a living, but are making money, because of their courage, energy, intelligence and love of nature.

The Swiss live in as beautiful a park as God has ever made, and they help the setting by the thorough and splendid manner in which they do their part.



Bayside, N. Y.

Trans-Atlantic Notes

A DEPARTMENT OF HORTICULTURE

The Journal of Horticulture contains a thoughtful article on the much felt want of a Department of Horticulture—not the first one by any means, for it has been written about frequently. Although the Board of Agriculture does deal with some matters connected with horticulture, it has no recognized authority on the subject directly connected with its staff, or responsible for horticultural interests. Several years have now elapsed since an exhaustive inquiry concerning fruit growing in the country was conducted by a departmental commission. In our opinion the establishment of such a department is, among other things, badly wanted at the present time to arrange a rational system of co-operation among small holders and horticulturists.

FRANCISCIAS (BRUNFELSIA)

One of the finest of the Franciscias is *F. calycina*, with its beautiful violet blue flowers, two to three inches in diameter, and appearing in great numbers on a plant of moderate dimensions, particularly useful in spring and in early summer. The plant is unfortunate in not being so well known as it deserves to be. The Brunfelsias are all of easy culture.

NATIONAL DAHLIA SOCIETY

A conference was held by this society on March 4, at Carr's Restaurant, in the Strand, London. Mr. Ed. Mawley in the chair. Papers were read by G. Gordon on "The Dahlia in Garden Decoration"; by J. Stredwick on "The Culture of Dahlias for Exhibition"; and J. B. Riding on "Methods of Exhibiting Dahlias." As regards the first two papers there was nothing practically new to the gardener. Useful reminders were given as to picking back the earliest growths when show blooms are looked for; and timely shading of the blooms is insisted upon. The advice tendered on

exhibiting was much needed, and the wire grid-iron frames were justly condemned, and bamboos, vases etc., recommended in their place.

LOW MARKET PRICES FOR PLANTS IN LONDON

There is considerable dissatisfaction among the growers about London and it is only those who grow the best varieties and in the best manner that make decent profits. Anyhow, the fact remains that prices are not what they were several years ago and this holds good for ferns and flowering plants, such as zonal pelargoniums and others. The famous Paul Crampel are coming in capitally flowered examples, but the demand for them as yet is inactive. Intermediate stock, in whites and crimsons, are good. Indian azaleas are in abundance and pyramidal plants fetch better prices than the flat-headed form. Genistas are abundant and good. Begonias, now quite favorite indoor plants, sell at fair prices. Ericas are in fair demand at good prices.

CERTIFICATED ORCHIDS

On the occasion of the meeting of the Manchester and North of England Orchid Society on February 14, in the Corn Exchange, A. Warburton, of Haslingden, was awarded a first class certificate for *Odontoglossum crispum* var. *xanthetes Warburtoniae*, a flower of great purity, abnormally large and of perfect shape. A similar award was made to *O. × ardentissima* var. *Sultan*.

NEW "ENGLISCHE" SHOW PELARGONIUMS

The following three show pelargoniums have created a furore in German gardening circles and flower loving towns-people in that country. The so-called show varieties with large blooms, sometimes semi-double and decorated on all the petals with blotches of color, have lost favor among English cultivators and are not nearly so well grown as formerly. The Germans, on the contrary, have taken up their culture *con amore*, and greatly improved them in regard to size of truss, intensity of color, in compactness of growth, and in vigor. Graf Ferdinand von Zeppelin has a ground color of carmine brown with red-bordered scarlet blotches of equal size. The variety is semi-double, a good doer, close in habit and blooms continually. *Deutscher Ruhm* is *cattleya* blue with two large, veined magenta red blotches—quite a new color in pelargoniums. *König Wilhelm Von Württemberg*, raised in 1907, was shown at Munich in 1909, but was not in competition at that time (the Jubilee Exhibition.) The ground color is bright rose, with a bluish tinge, and two large chestnut-brown, darkly veined blotches. The blooms are of enormous size, waved, and form gigantic corymbs.



New Montbretias

Montbretias have been so much improved during the last ten years by hybridization that they now occupy a position almost equal to lilies among bulbous plants and nothing surpasses them for cut flower purposes, wherever these are largely in demand. One obtains the best results by planting the varieties separately in beds or in groups in a border and from August till late in fall one may be sure of having a good display of blossom.

Montbretias are extremely easy to grow and will succeed in almost any soil in a good open position but an

ideal medium for them is a moderately stiff loam over a sub-soil of sand. Plenty of room should be allowed so that the spikes have room to develop and except for giving good waterings in very hot weather little other attention is necessary. Mulching, however, is of great assistance, and whatever the material used it keeps the ground moist and prevents the bulbs from ripening up prematurely.

So far as my experience goes with the magnificent varieties mentioned below I do not find they are so hardy as the older and well known sorts such as *crocsmiæflora* and *Pottsii* and it is probable that they will not survive the trying and variable winters we experience in the East if left in the open ground but this should not prove any deterrent to their being extensively cultivated for it is well to remember that all good plants need a little more attention than those of inferior quality. As soon as the foliage has become quite brown in the fall it should be cut off within four inches of the ground and the bulbs lifted carefully, without breaking off any of the stolons, and placed in boxes in sand or stored on the floor of a cool cellar where they will remain in good condition till planting time comes in April.

Too much cannot be said in favor of these new *Montbretias* and anyone interested in bulbous plants cannot do better than include them in their gardens. They have a wide range of color varying from the richest orange-scarlet to the palest lemon and the selection appended will give a succession over a very long period. On the other side they are greatly appreciated and will, I am sure, be fully as popular here when opportunities are given for flower lovers to see and realize the immense improvements over older kinds.

The most desirable varieties are as follows: *George Davison*, which grows four feet high with very branching stems and is one of the earliest to come into flower. The individual blossoms are three inches across, pale orange-yellow in color somewhat deeper on the outside. *Ernest Davison* is similar in habit but the flowers, which are equally as large, are a deep orange internally suffused with red on the outside. *St. Botolph* is a magnificent yellow variety with the same free branching habit as the preceding but the flowers are a pleasing soft yellow shade suffused deep orange on the outside. Each flower is very large and opens out quite flat which is one of the charms of these newer sorts. *Lord Nelson* is one of the handsomest and grows from three to four feet high with very branching stems and great quantities of deep orange scarlet flowers externally crimson with a yellow eye. *Lady Hamilton* is equally as tall but the flowers are yellow with a rosy-orange suffusion in the center. This variety is remarkably floriferous. Hereward is similar in color to *George Davison* but it does not commence to flower till fully a month later. *King Edmund* has rich golden flowers and the base of each petal is spotted with chocolate. This variety grows with great vigor. One of the most beautiful and attractive varieties is *Prometheus* which has enormous flowers four inches across and these are a deep orange with a deep crimson band around the center. A bed of this produces a wonderful color effect. *Westwick* is also remarkable, the color being orange red with a clear yellow eye, surrounded with deep maroon. For bedding purposes *Norvic* is excellent. It has a dwarf habit, flowers late and the color is a good rich yellow marked with crimson on the outer side.

Arthur. E. Thatcher

Erica

There seems to be a revival of interest in the genus *Erica*, and many of the species deserve to be more generally grown than they have been of late years. In several places I have visited this spring I have noticed nice specimens of some of the varieties of these excellent decorative plants. Thos. Roland of Nahant, Mass., is trying to work up an interest among the florist trade for them, and on a visit to his place recently, we saw specimens from 3½ up to 8 or 9 inch pots of several varieties, that would charm the heart of any plant lover to look at them. Mr. Roland intimated that it was hard to get a paying price for them. However, the public may be educated up to it, as they have been with many other plants which they cannot now get along without when their season comes around.

Ericas have been always considered hard to grow, and I can remember as a young man that if a gardener was a good heath grower he was worth taking notice of. The climate here has been considered very unsuitable for these plants; but it may be with them, as with some other plants I have known, never properly tested. They certainly will not stand some of the slap-dash methods of growing that have been too common in recent years. I am convinced that failure with a number of plants may be attributed to the use of hard water, and I think it would pay plantmen to collect the rain water from the greenhouse gutters and convey it into a tank where it could be pumped as required. I know of one instance where this was done, and the plantsman that managed that establishment told me he attributed a great deal of his success as a grower to that tank of rain water. *Ericas* will never give the same satisfaction if hard water is used for them and it may be that much of the failure with many of the varieties may be traced to that source.

Cuttings may be obtained from the points of the shoots after they have flowered and should be about an inch long, the wood being neither too hard nor too soft.

Insert rather thickly in not too large a pot in silver sand; place the pots in a tight case in a temperature of sixty degrees, care being taken to remove all appearance of damping as soon as detected. When they show signs of having rooted admit air to the case, and get them hardened up a little before potting into small pots. The best soil for *ericas* at any stage of their growth is a good, fibrous peat, and if this cannot be obtained the siftings from *osmunda* fern root will do. Add about a third of clean, sharp sand, with a little finely broken charcoal. They must be finely potted and never allow the stem of the plant to be buried in the soil. Watering must always be done with care as severe drying or soaking will be injurious to them. When in vigorous growth a bag of soot may be placed in the tank containing the water they are watered with. A temperature of forty degrees should be maintained during the winter with plenty of light and air; throughout the summer months they may be plunged out doors. It is a hard question what varieties to recommend to grow, but I have seen the following do well: *E. arborea*, *caffra*, *Cavendishi*, *hybrida*, *hyemalis*, *melanthera*, *per-soluta* and *Wilmoreaana*.

George F. Stewart.

West Medford, Mass.

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lay. It not infrequently happens that the prizes thus pledged are not even competed for and again there is often but one entry, which may or may not be fairly worthy of the award. It is true that in most schedules a clause is inserted authorizing the judges to withhold awards when exhibits are not worthy, but how seldom this most unpleasant function is exercised by the judges is pretty well known. We frequently read in the accounts of various exhibitions that Mr. — "captured" this or that prize when those who happened to be present at the affair know that it was simply an award through default of competition. The remedy suggested by some of our correspondents is the adoption and enforcement of a rule prohibiting any award when there is only one entry in a class. Donors of special prizes have it in their power to make this stipulation in cases where the rule is not a general one if they so wish, but it might be better to make it of universal application. At least there are many who so think.

In regard to the bill now before the New York Legislature providing for the building and equipment of a range of greenhouses for the purpose of education in floriculture, a copy of which appears on another page of this paper, Mr. W. F. Kasting writes:

"In order to get this bill out of the committee and not let it get asleep, I would request every florist in New York State to write to the Assemblyman or Senator for his district, urging him to have the bill presented. This state is doing considerable in the agricultural department and I believe that we, as horticulturists, should see that our interests are taken care of."

We gladly endorse Mr. Kasting's appeal. The State of New York has already done nobly for horticulture, especially the fruit interests. "The Grapes of New York," and "The Apples of New York," are works that stand without a peer in the literature of any other state or of the nation, and Geneva and Ithaca have long ago earned in many ways the respect and gratitude of the floricultural industry of the Empire State. But agriculture is growing—growing away from those lines in the field of horticulture on which the interests of floriculture touch, and it must be apparent to anyone who is at all observant that horticulture must in the near future be accorded recognition independent of its relationship to agriculture. Not only in New York and other states, but at Washington, the time now approaches when horticulture's needs must be cared for by a separate and independent department in which floriculture will receive its due share of consideration. The Agricultural Department at Washington already finds its hands full with pure food laws and inspection work not dreamt of when the department was inaugurated. A package of Department literature just received gives details of prosecutions for misbranding "Headache Cure," misrepresentation as to the efficacy of "Mother's Friend" and other advertised nostrums, adulterations of milk and of hydrogen peroxide, misbranding of turpentine, etc., etc.—all work of vital importance to the welfare and health of the people, but having no correlation with the bureau of plant industry, which also is finding boundless fields of activity in which horticulture as an art has no concern. Illinois has set an excellent example to her sister states in the provision made for the advancement of education in ornamental horticulture. But Illinois would never have gotten it if her florists and gardeners had not got busy. So Mr. Kasting's call for similar activity in his State merits attention and a willing response. "God helps them that help themselves."

More com-
petition wanted

Our observations in last week's issue in reference to the disproportionate number of competitors as compared with the many liberal special premiums listed in certain prize schedules has brought an unusual number of comments to the editor's desk, all approving of the sentiments expressed. It has become quite the custom among organizations, both local and national, when contemplating an exhibition to solicit cups and other special premiums from seedsmen, specialty growers and others, and the number of appeals of this nature is increasing so rapidly from year to year that with some firms it means quite a heavy out-

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Camellias.

Those who grow Camellias that are wanted in bloom by Christmas should by this time have them started into new growth. The plants require a shaded house during the summer. They are much more easily managed under glass than when put in the open. They should have abundance of water, especially in their growing season, but soil must not be kept in a soaked condition, as this would prove a great injury. When the plants have just fully completed their season's growth—which can be easily known by the developed terminal leaf of each new shoot—withholding water until the new growth shows signs of flagging, will cause the forming of a fine crop of flower buds which will develop into flowers instead of the buds dropping before opening. They do well in winter in a temperature of from 45 to 50 degrees at night.

Left-Over Stock.

The benches are now pretty well cleaned out of Easter plants. For some weeks we have all been taxed for room. The most important bedding plants—the geraniums—that have been quite badly crowded of late should now be spread out. If you have any remaining in 2½-inch pots give them a shift at once. Cannas will need some of your spare bench space; they will be starting freely now and should have good attention as they always sell well. Easter stock that is left over should not be left here and there dotted all over the houses. If worth holding, get them together. Azaleas that are left unsold should have all the seed picked off after blooming, and repotted if needed. Soak the ball well before potting. As soon as the genistas are through flowering trim off the old flowers with a pair of shears and when the weather gets good they can be plunged outside. Spiraeas can be planted out in the border.

Nephrolepis.

Those who are thinking of raising a stock of young *Nephrolepis* for next year can from now up to July start to propagate them. First of all see that you have the drainage perfect so that the bench will let the water through freely. Then put in some light, sandy soil and plant the ferns out and you will get abundance of runners that will root and lift without losing a single frond. A light shading and frequent sprinkling to create a fair amount of atmospheric humidity and a moderate degree of moisture at their roots is about all that is needed in the way of care. There are few members of the great family of ferns that are so easy of propagation as the *Nephrolepis*, and they still enjoy a marked degree of popularity. The Boston fern seems to lead all others as a seller. *Nephrolepis Whitmani* is the best of the sports and shows very little signs of reversion. *N. Scottii* makes a nice compact plant. *N. elegantissima* is something similar to *Whitmani*. They are all good and satisfactory for most florists.

Poinsettias.

The old plants of poinsettia that have been resting since the new year

under the benches can now be started by shortening back the stems and repotting in as small pots as the roots will permit. They can be placed on a sunny bench where the temperature of 60 degrees can be maintained; at night give them a good soaking of water. Keep rather on the dry side until the plants start to break and they will soon produce a quantity of fine cuttings. Take the cuttings off with a heel when three or four inches long. Trim with leaves off fairly close before inserting them in sand. Water carefully and shade until rooted. When potting them off use small pots and a mixture of loam, leaf mould and sand. It is a great mistake to allow them to make long roots before being taken from the cutting bench; pot as soon as the plants have made roots from one-half to one inch long. Cuttings can be rooted at any time from now until the middle of August. Those propagated in July and August are fine for making up pans, but the earlier ones will give the finest bracts for cutting.

Rose Compost.

The importance of good compost for roses cannot be overlooked. We may have every advantage as to good houses, fine heating system and everything that goes for the production of good crops, but the selection of a suitable soil for planting purposes is imperative. Get your compost together now so it will have time to be thoroughly incorporated and in a condition for the young stock to draw its food supply from. A stiff fibrous loam is the most suitable for most of the varieties cultivated under glass. The top spit of six or seven inches deep of some old pasture land will make an ideal compost. Stack it in square piles and add a load of well decomposed cow manure to every three or four loads of sod. The pile should be turned over two or three times; this will put the compost into a mellow condition so that the young roses when planted out in it will immediately take hold and grow.

Stevias.

Stevia serratifolia, so highly valued at the holidays, cannot be passed without notice. The old plants that have been kept in cool houses will give a great many cuttings now which should be rooted in good season so as to have well established plants by the time the call for them is the greatest. Constant pot culture produces the best plants. Of course, this method of growing them into good-sized specimens requires a greater amount of care and attention than usually goes with field culture, but I think it pays.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on *Dendrobium*, *Ericas*, *Palm Seed*, *Pansies*, *Planting out Carnations*, *Rambler Roses* for next Easter.

The Gardeners' Chronicle for March 19, speaks of Peterson's Glory of Cincinnati as a variety of *Begonia Gloire de Lorraine*. This we believe to be incorrect. Mr. Peterson says it is a seedling and the appearance of the plant, especially the foliage which is large and glossy in the way of *B. Socotrana*, seems to bear out Mr. Peterson's claim.

HARDY ROSE AMERICAN PILLAR.

The Blue Rose and the American Pillar rose were late arriving exhibits at the Philadelphia spring show and did not receive mention in our previous issue, which they both well deserved, the former for its novelty and the latter for its extraordinary merit. It was exhibited without name (a grave omission), and to make certain of its identity your correspondent communicated with the exhibitors and was gratified to receive the following complete account from the pen of Antoine Wintzer:

Of the many new hardy roses introduced during the past ten years it is doubtful if any possess more desirable qualities than the American Pillar, introduced by the Conard & Jones Company in 1906. The history of this remarkable rose is rather unique. It grew and bloomed on the trial grounds of the introducers without attracting any special attention. Why? because it was a single rose and in the past single roses, like single dahlias, were not appreciated. During a beautiful June morning in 1904, a lady visitor noticed its charming bright single flowers produced in immense clusters covering the bush. The rose colored flowers in combination with the prominent yellow stamens produced such a fine color effect that she desired to have a plant for her rose garden. We grew a plant for her and it is now one of the finest specimens in the country.

Since its introduction the merits of this rose have been fully appreciated by our English cousins; they know a good thing when they see it, and rate it according to its merits. American Pillar was not introduced to the floral world with a great blare of trumpets claiming it to be superior to all other roses in existence and so forth. One man had unflinching faith in its merits or he would not have given it the name of "American Pillar" until he was sure that the rose was worthy of the name.

The first point noticeable is the great vigor of the bush, then its enormous shiny green leathery foliage, but the center of attraction is in the beautiful clusters of single flowers. When first opening the color is a rich carmine changing to clear rose; it continues long in bloom and endures the hot weather with perfect impunity; its lasting qualities are surprising. It is an annual bloomer and can be trained as a climber or pillar rose, also can be kept in bush form or trained as a standard.

Those desiring a good single rose for Easter flowering cannot handle a better subject. One-year-old field-grown plants produce three to five large clusters if potted into 5 or 6 in. pots. No previous preparation is necessary to bring them into bloom. We have several hundred such plants in bloom, lifted from open ground and potted last December without any special treatment; of course all rosarians understand that the better the preparation the finer the bloom. The plants above referred to were pruned close, consequently there were not so many flowers per plant as they would have given if allowed more blooming wood. Young plants of this variety in 2½ in. pots, planted in field during April or May will grow large enough by following November to fill 6, 7 or 8 in. pots if given rich soil and good cultivation.

ANTOINE WINTZER.

STILL FANCY FREE.

Editor HORTICULTURE:

Dear Sir: I notice in your last issue of HORTICULTURE that Mr. Lloyd G. Blick of Norfolk, Va., expects to be in the race for Rochester in his auto, accompanied by Mrs. Blick. I have been knowing that gentleman for many years and never knew there was a Mrs. Blick. He is an "old batch" and his old maid sister is going with him to have a good time. The two of us are fairly healthy specimens, weighing about 650 pounds and are always in for fun. So be on the lookout for Blick and his sister. Yours truly,
L. A. BLICK.

NEWS OF THE CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Mid-Lent Meeting of the Executive Board.

The regular mid-Lent meeting of the Executive Board was held at the Seneca Hotel, Rochester, N. Y., March 12, 14 and 15. The entire board consisting of President Pierson, Messrs. Asmus, Young, Vesey, Dailledouze, Rudd, Craig, Valentine, Vick, Kasting and Dörner were present during the entire session. The usual routine of business was transacted.

The report of the Treasurer and the financial report of the Secretary for 1909 and also the supplementary reports for January and February, 1910, were received. These reports were referred to a committee consisting of Messrs. Valentine and Dailledouze and were reported by them to be correct. They were then accepted by the Board.

The Treasurer was instructed to deposit all interest, received from the funds of the Society, to the credit of the reserve or permanent fund.

Several changes in rules relating to the management of the Annual Trade Exhibition were adopted. For floor space the rates are to be as follows: Minimum charge, \$5.00; 100 ft. or less, 20c. per sq. ft.; excess over 100 ft. and not over 200 ft., 18c. per sq. ft.; excess over 200 ft., 15c. per sq. ft. All signs in any exhibit, whether on wall or elsewhere, shall not extend higher than 6 ft. 6 in. above the floor. Sign space outside exhibition space shall be charged for at same rate as floor space. For wall space for exhibition purposes and not for signs, the rates shall be one-half that for floor space. All signs used in the exhibition shall be black letters on a white ground. No other color may be used either for lettering or for ornament.

A resolution was adopted providing that the public should be admitted to the exhibition every evening at 7 p. m., and on Thursday from 2 p. m. until closing time and at all other times the exhibition to be closed to the public. An admission fee of 25 cents will be charged. All arrangements attendant upon the admission of the public are to be under the control of a committee consisting of Messrs. F. W. Vick, Wm. F. Kasting, and G. B. Hart.

Mr. Chas. H. Vick, on the recommendation of Vice-President Vick and the Rochester Florists' Association, was unanimously elected Superintendent of the Trade Exhibition.

In connection with the committee of the local club, the Board visited the large convention hall offered for the Trade Exhibition and Meetings and accepted it. This building contains about 48,000 square feet of floor space and was considered by members of the Board to be the best hall ever offered for a trade exhibit.

President Pierson appointed John Westcott as chairman of the Committee on Convention Sports with A. F. Vick, R. G. Salter and J. M. Keller as the other members.

The usual appropriations were made for the year.

Mr. Valentine submitted to the Board

an outline for the organization of a Retailers' Section of the Society. The plan in general provides that all members of this section must first become members of the Society. It contemplates a trade arrangement by which business in distant towns may be exchanged on a safe basis as to quality of stock and credit. It was the unanimous opinion of the Board that the idea is an excellent one for the Society and will prove valuable to the retailers.

It was the unanimous opinion of the Board that a special meeting of the Society should be held during the time of the National Flower Show. A recommendation to that effect was made to the Society.

The following resolution was adopted:

"Resolved, That if five or more members write to the Secretary expressing an especial interest in any given floricultural topic and request the organization of a section devoted to that subject, the Secretary shall assign a place on the program to that topic and shall designate it by a suitable name as a separate section." The object of this arrangement is to provide sections so that members interested in these various subjects may get together and discuss them.

A tentative program for the coming meeting was adopted.

The Executive Board further indorsed the work of the Experiment Stations by passing resolutions commending the proposition for the State of New York to appropriate money for the erection of glass houses at Cornell University for experimental and teaching work in Floriculture. A bill was recently introduced in the Legislature at Albany embodying an appropriation of \$50,000 for this purpose.

The Tariff and Legislative Committee was directed to fully investigate the cause of the present high price of glass and to take whatever steps are necessary to relieve the situation. They were also requested to recommend such tariff legislation as will prevent a recurrence or continuation of the present conditions.

The following amendments to the constitution and by-laws were presented, ordered placed on record and printed in the program for action at the next annual meeting:

To amend Article V, Section 1, to read as follows:—The first annual meeting of the Society shall be held at Buffalo, N. Y., on the first Tuesday of August, 1901. Subsequent meetings shall be held annually at such time and place as may be fixed by ballot at the morning session of the second day of each annual meeting and shall continue for at least three days.

To amend Article IV, Section 2, by striking out the figures 25.00 and insert therefor 50.00, meaning to increase the Life Membership from \$25.00 to \$50.00.

On Monday night the members of the Executive Board were guests of the Rochester Florists' Association at their second annual banquet. The entertainment by the Association was much appreciated.

The following final resolutions were adopted:—"The Executive Board of the Society of American Florists and Ornamental Horticulturists desires to place upon record their appreciation of all the courtesies which have been shown them by the Florists' Association of Rochester and to recognize the spirit of hearty co-operation shown by the members thereof. We can confidently look forward to an unusually successful convention next August. We recognize the liberality of the Chamber of Commerce in placing at the disposal of the Society the finest hall we have ever had for our meetings and exhibition entirely free of charge. We have enjoyed a most pleasant time at the banquet and are more than delighted with the cordial expression of the various local speakers. We leave for our homes with the conviction that the earnest workers of Rochester will do their full share in making the Convention of 1910 a complete success.

H. B. DÖRNER, Sec'y.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

Preliminary Schedule of the Second Annual Exhibition, 1910.

President Harry Turner's Cup, value \$25.00. For the best 25 vases of Sweet Peas.

The W. Atlee Burpee Cup. For the finest and largest collection of Sweet Peas.

The W. Atlee Burpee Prizes. For vase of waved or Spencer type Sweet Peas introduced 1910. First prize \$5.00, second \$3.00, third \$2.00.

W. W. Rawson & Co.'s Prizes. Silver Gilt Medal for a vase of Sweet Peas never before exhibited or disseminated of American origin. Silver Medal for the best 25 vases Spencer or Unwin types; open to the trade only. Silver Medal for the best 20 spikes of Sweet Peas "Rawson's Snowflake." Bronze Medal for the best three vases comprising white, lavender and pink; open to amateurs only. Silver Medal for the most successful exhibitor among the amateur classes.

Watkins & Simpson's Prize, value \$10.00. For the best vase of Nora Unwin, Frank Dolby, Mrs. A. Watkins, A. J. Cook, E. J. Castle.

Arthur T. Boddington Prize, a silver "Challenge Cup," value \$50.00—\$25.00 to the winner of the cup, second \$15.00, third \$10.00. For a collection of Sweet Peas, 25 varieties.

Henry A. Dreer Prizes. For 21 vases of Sweet Peas, the incomparable standard varieties as enumerated in Dreer's Garden Book for 1910. First prize \$20.00, second \$5.00.

Jerome B. Rice Seed Co.'s Prizes. For vase of white Sweet Peas; first prize \$5.00, second \$3.00, third \$2.00.

Peter Henderson & Co.'s Prize. \$10.00 gold cash. To be awarded the amateur exhibitor of the best and most distinct collection of 25 varieties of Sweet Peas, including not less than six of the Spencer type. The number of sprays to each variety to accord with the Society Rules. Also a \$10.00 gold cash prize to be awarded the amateur exhibitor of the two best vases of George Washington and Martha Washington Sweet Peas. Each vase to contain not less than 25 sprays.

The Henry F. Mitchell Co. Prizes. For three vases of Sweet Peas (one vase of each variety) Frank Dolby, White Spencer, Mrs. Alfred Watkins. First prize \$5.00, second \$3.00, third \$2.00.

C. C. Morse & Co.'s Prize, a silver cup, value \$25.00. For the finest collection of Sweet Peas (open to the trade only).

Florists' Exchange Prize. For vase Confess Spencer. First prize \$3.00, second \$2.00.

The time and place to be decided later. For further information write to

HARRY A. BUNARD, Secretary,
312 West 14th Street, New York City.

CLUB AND SOCIETY NOTES.

The Engelman Botanical Club, of St. Louis, held a meeting on Monday night which was largely attended. Prof. Wm. Trelease, director of the Missouri Botanical Garden, entertained the members with a talk on Botany.

Mr. Jerome Jones has offered through the Horticultural Society of New York and same has been accepted by the Council, a special prize of \$15.00 for the best 12 blooms of Chrysanthemum Mrs. Jerome Jones, to be competed for at the exhibition of 1910.

The State Horticultural Society of Michigan opened its spring session in Fremont, Mich., at the Auditorium on March 12th. C. E. Bassett of Fennville, C. B. Welch of Douglas, Prof. H. J. Eustace, of Lansing, T. A. Farrent of Eaton Rapids, and Edward Hutchings of Fennville spoke on the "Use of Lime Sulphur Sprayers," and the discussion took the greater part of the day.

At the last meeting of the Gardeners' and Florists' Club of Baltimore a committee was appointed to draft resolutions in favor of "parcels post" to be presented to Congress. The club also adopted a resolution against the Simmons bill recently presented to Congress, to have all imported nursery stock examined at points of entry to this country. The club concluded that as foreign countries accepted our inspection we should accept theirs, etc.

The Gardening Association of Berkeley, Cal., will give a flower show sometime during April. A committee to formulate plans for such a show has been formed and F. H. Meyer has been named chairman. Eleven thousand packages of seeds were sold to the school children. The committee who have charge of the distribution of these seeds reports that these are to be planted at the homes of the children; others were distributed for planting in the school yards.

The annual spring exhibition of the Chestnut Hill Horticultural Society was held March 20th in the Library at 8711 Germantown avenue, Philadelphia. Many society women of Germantown and Chestnut Hill enjoyed the exhibition of spring blooms. F. J. Day read an interesting paper on "Bulbs and Their Cultivation," and a general discussion followed. The exhibition was a very creditable one—carnations, hyacinths, cinerarias, tulips, narcissi and Easter lilies making up the exhibit.

INCORPORATED.

Sedalia, Mo.—Archias Floral Co., West 2nd St., capital stock \$5,000. L. H. Archias, M. T. Slane, H. G. Tompkin and L. A. Kipping.

Nashville, Tenn.—Greenbrier Nursery Co., capital stock \$25,000. Incorporators, R. R. and Annie M. Harris, Ida N. and S. M. Pribble.

Cleveland, Ohio.—Smith & Feters Co., capital stock \$20,000. Frank Munroe Smith, William S. Kruzen, Louis A. Kooms, Jr., Timothy Smith and Clarence Meyers.

WREATH OF LILY OF THE VALLEY AND ORCHIDS.

Made at Galvin's, Boston.



AN INDEPENDENT ATTITUDE.

Our readers will be interested and amused over the following translation from "Moeller's Deutscher Gaertner Zeitung" setting forth the attitude of that journal towards flower shows held in Germany. It has been suggested by a facetious friend of HORTICULTURE that the American trade papers should follow the lead of their independent German contemporary and adopt similar rules for their own procedure! How do you think it would work out? Don't all answer at once.

COMING EXHIBITIONS.

We recommend to all whose intention it is to take part in the following Horticultural exhibitions at home, to obtain the absolute assurance that the prizes offered are for the Quality of the plants exhibited and not so called Tips for work done on behalf of such exhibitions.

Further, should they make positively sure that no exhibitors shall act as judges, that all Firms be allowed to put their business cards on their exhibits, and that no obstacle be put in the way of the reporters.

All exhibitions to which this paper receives no invitation, will not be reported as it will be assumed that none is desired.

Invitations to exhibitions received less than three weeks beforehand cannot be considered and will not be reported, as it is impossible at too short notice to keep a date open.

We demand for the reporters of "Moeller's Deutscher Gaertner Zeitung" the same social courtesies as are accorded to the judges. If denied, no report will be printed.

No report of Home Exhibitions will be made at which exhibitors act as judges. All shows at which exhibitors act as

hidden to attach their cards immediately after groups are completed will be ignored.

Printed exhibition leaflets filled with ads. will not be published. Only original exhibition reports will be printed in "Moeller's Deutscher Gaertner Zeitung."

SWEET PEA NOVELTIES.

Once again the sweet pea specialists are making known the new aspirants to fame and fortune which are being offered to the growers. There appears to be no limit to the new varieties which each season claim attention. In addition to the novelties from home raisers, several of the seedsmen are listing the chief American introductions. From Wem, in Shropshire, one of the chief homes of new introductions, there have emanated Picotee Waved, a pure white, with a delightful picotee edge of carmine; Vicomte de Janze is of a deep bright rose; Mary Vipian Waved is a splendidly waved, bold bloom, of a rose tint; Mrs. E. Gilman is an expanded bloom with a creamy ground, suffused with bright rose. Messrs. Watkins & Simpson, a firm of wholesalers known in America, are offering Picotee, white, edged with carmine; Edward VII Improved, and Miss Wilmott Improved. In several instances growers have suffered through the prevalence of streak amongst their crops, whilst the very unfavorable weather last year militated against a successful harvest.

W. H. ADSETT

Headquarters for Hardy JAPANESE LILIES

FOR IMMEDIATE DELIVERY

The Hardy Lilies are planted by many florists now. They bloom outdoors in July and August and are extremely useful for decorative purposes. The Auratum, Album and Rubrum are excellent for forcing.

	Per doz.	Per 100	Per 1000
Lilium Auratum (Golden Banded Lily).			
8 to 9 inches	\$0 90	\$8 00	\$50 00
9 to 11 inches	1 25	9 00	80 00
11 to 13 inches	2 25	15 00	140 00
Lilium Auratum Platyphyllum. A great improvement on the old Auratum, otherwise similar except that the flowers are very much larger.			
8 to 9 inches	1 50	10 00	90 00
Lilium Album (Praecox). Pure white.			
8 to 9 inches	1 10	7 50	72 50
9 to 11 inches	1 60	12 50	115 00
Lilium Album Kraetzerei. Pure white; an improvement on Lilium Album.			
9 to 11 inches	2 25	15 00	135 00

	Per doz.	Per 100	Per 1000
Lilium Magnificum (Rich pink).			
8 to 9 inches	1 00	6 00	55 00
9 to 11 inches	1 25	8 50	82 50
11 to 13 inches	2 25	16 00	150 00
Lilium Melpomene (Pink).			
8 to 9 inches	1 00	6 50	60 00
Lilium Rubrum or Roseum. Beautiful pink, spotted crimson.			
8 to 9 inches	85	5 00	47 50
9 to 11 inches	1 25	7 50	72 50
Lilium Tigrinum Splendens. Single Tiger Lily. Orange, spotted brown. We offer large imported bulbs.....	80	6 00	52 50
Lilium Tigrinum Flore Plena. Double Tiger Lily. Large imported bulbs..	1 00	6 50	60 00

Write for our wholesale catalogue

Henry F. Michell Company, 518-1018 Market St., PHILADELPHIA, PA.

THE MASSACHUSETTS AGRICULTURAL COLLEGE.

The short course in floriculture closed March 11th. It is to be regretted that so few took advantage of the excellent opportunities to avail themselves of practical and theoretical information along floricultural lines, and it is hoped the course may be more largely attended next year. The registration for this course included:

Albert C. Bradstreet, Topsfield, Mass.; Lydia A. Bowser, Cohasset, Mass.; George A. Gray, Beverly, Mass.; Edward L. McCarroll, Waban, Mass.; Albert Lewis, Rockaway, Long Island,

The talks by the various practical men who have generously assisted in the course have again proved most valuable. Aside from the general lectures of the course the following spoke on some feature of glasshouse work. F. J. Elder, heating expert; Lord & Burnham Co., Irvington-on-Hudson, N. Y., on heating; Eber Holmes, Montrose, on rose culture; W. H. Elliott of Brighton, on the same subject; Peter Fisher, Ellis, Mass., on the development of the carnation; M. A. Patten, Tewksbury, on cultural methods with the carnation. E. O. Orpet of South Lancaster gave a very fine talk on orchid growing, and exhibited a large

All the young men had positions when the course was completed and several more might have been placed. The demand for men was greater than the supply.

Some important changes are planned for the course next year. The morning will be occupied in class-room work and lectures will be given on such subjects as the management of greenhouses, greenhouse crops, fertilizers, insects, diseases, and like subjects. In the afternoon the class will be divided in two sections, one section to consist of those students who have little knowledge of horticultural work and the time will be spent in practical



Short Course Students in Agricultural and Horticultural Subjects at the Massachusetts Agricultural College. Winter Session, 1910.

N. Y.; John L. Killam, Boxford, Mass.; Willard M. Pease, Monson, Mass.; William Scafe, Pittsfield, Mass.; Edwin G. Scott, Garfield, Wash.; Edwin R. Selkregg, North East, Pa.; L. E. Torrey, Southbridge, Mass.

While it is difficult to arrange a course which will meet the needs of all classes of students, the aim is to give the beginner as much elementary information as possible without neglecting those who are more advanced, and at the same time to make the work sufficiently scientific to satisfy the needs of those who have been longer in the business.

number of varieties in bloom. E. J. Canning of Northampton spoke on the work of the private gardener. Aside from these speakers, C. H. Totty of Madison, N. J., gave a very excellent talk on chrysanthemums, J. K. Shaw of the Horticultural Division of the Experiment Station spoke on the principles of plant breeding, and H. D. Hasbans of the Chemical Division of the Experiment Station gave an instructive talk on fertilizers for the greenhouse crops. Edward MacMulkin of Boston was scheduled to speak on the retail trade, but was prevented from doing so because of sickness

work in the greenhouses; the other section will consist of men of considerable practical training and the afternoon will be spent on assigned reading or some special branch of research. It is hoped in this way to meet the needs of all taking the course.

The Saturday observation trips proved especially profitable. The following are among the ranges visited: H. W. Field's, Northampton; A. N. Pierson's, Cromwell, Conn.; The Montgomery Co.'s, Hadley; Smith College Conservatories, Northampton; Mt. Holyoke College Conservatories, South Hadley; Waban Rose Conservatories, Natick;

Dreer's Hardy Delphiniums

Belladonna. The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$2.00 per dozen, \$15.00 per 100; \$125.00 per 1000.

Dreer's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

Formosum. A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

Chinense Blue and White. 75 cents per dozen, \$5.00 per 100.

CHOICE NAMED HYBRID VARIETIES.

Alfred Henderson. Bold, massive spikes of semi-double rosy-lavender flowers, 2 inches across, white eye. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Beatrice Kelway. Deep, rich blue with a conspicuous yellow eye, flowers 2 inches across and perfectly arranged. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Cerberus. Sapphire with black-brown centre, a handsome spike. 35 cents each; \$3.50 per dozen.

Chinense Cineraria (Spurless Hardy Larkspur). The large flowers without a spur, strikingly resembles a fine, rich sky-blue Cineraria. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Duke of Connaught. Rich oxford-blue, with distinct bold white eye; fine large flowers. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

J. C. Jenkins. Very large, semi-double bright mauve edged with royal blue and white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

King of Delphiniums. Most vigorous growing, immense size, semi-double, rich deep blue with large white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lizzie. Lovely azure-blue, flowers 2 inches across, bold, creamy-yellow eye, arranged in bold massive stems. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lemartin. Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Mrs. Creighton. Semi-double, outer petals deep sky-blue, centre rich plum with black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Persimmon. Comparatively new; beautiful delicate turquoise-blue. 50 cents each; \$5.00 per dozen.

White Seedlings. These have been carefully selected and will be found desirable in any collection. 30 cents each; \$3.00 per dozen.

For the most complete list of Hardy Perennial Plants offered in America see our current Wholesale List

Henry A. Dreer, Inc.

714 Chestnut Street, PHILADELPHIA, PA.

The above prices are intended for the trade only.



DELPHINIUM BELLADONNA

William Nicholson's and S. J. Goddard's, Framingham; Butterworth's, South Framingham; Peter Fisher's, Ellis; Geo. Sinclair's, Holyoke, and Wm. Sim's, Cliftondale. Full notes on each of these trips were required.

The Massachusetts Agricultural College stands ready to assist the state florists in every way possible; the mission of the floricultural department is to be of service to the practical growers and retail men. This can be accomplished only through the most cordial co-operation.

TO DEVELOP FLORICULTURE IN THE EMPIRE STATE.

State of New York.

No. 1026.

Int. 874.

In Assembly,

March 7, 1910.

Introduced by Mr. WILKIE—read once and referred to the Committee on Ways and Means.

An Act

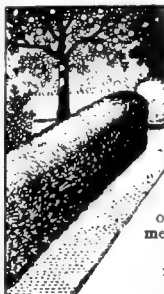
To build and equip a range of glass houses and service building for teaching floriculture at the New York State College of Agriculture at Cornell University, and making an appropriation therefor.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. The sum of fifty thousand dollars (\$50,000), or so much thereof as may be necessary, is hereby appropriated for the purpose of building and equipping, at Cornell University, a range of glass houses and service building, suitable for experimental and teaching work in floriculture. Such buildings shall be a part of the New York State College of Agriculture at Cornell University, and shall be located on such portion of the land of the university as may be designated by the trustees of such university. Plans and specifications

for such glass houses, service building and equipment shall be approved by the department of horticulture of such college of agriculture. Such buildings shall be built and equipped by such university and such appropriation shall be paid by the state treasurer on the warrant of the comptroller on the order of the treasurer of Cornell University, but no part of such appropriation shall be available, except for advertising and for plans, until such university has entered into a contract with a responsible party for the completion of such work within the amount appropriated.

Section 2. This act shall take effect immediately.



Privet GROWN for Hedges

Satisfactory hedges are only obtained by proper nursery treatment. Plants not properly treated in the nursery must be cut back close to the ground and practically started all over again. Our California privet is grown specially for hedges and makes a dense growth of dark green, very shiny, ornamental foliage.

	Price per 100	Per 1000
12 to 18 inches	\$2.50	\$20.00
18 to 24 "	3.00	25.00
24 to 30 "	3.50	30.00
30 to 36 "	5.00	45.00
Small plants by mail, postpaid	4.00	20.00

W. JERSEY NURSERY CO., - Bridgeton, N. J.
29 Magnolia Avenue.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts. P. O. No. 1, Hoboken, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN

6 and 7 South Market St., Boston.

EVERGREENS

Largest stock in America, including Blue Spruce, Douglas Fir, White Pine, Hemlock and many others—all sizes, from millions of small seedlings up to large, magnificent specimens. Also an immense stock of Shade Trees, Shrubs, etc. Also Tree Seeds, both Native and Foreign Species. Prices reasonable, send for trade list. Mention this magazine.

D. HILL, EVERGREEN SPECIALIST
Largest Grower in America
Box B, DUNDEE, ILLS.

ORCHID PEAT—Osmunda Fibre

The best material for **Orchid Potting**. The grade which we offer is of the best material, well cleaned and sold in chunks or hand picked. **Leaf Mold, Rotted Peat and Baled Sphagnum** also in stock.

The C. W. BROWNELL COMPANY

WALDEN, N. Y.

CHICAGO NOTES.

The Easter Trade.

Easter in Chicago had its special features to make it differ from the usual Easter. Lilies, the central figure in the flower world at this time, did not come forth from all sorts of stowaway places in the greenhouses as they so often do, and surprise the dealers towards the end of the week. On the contrary, many were greatly surprised at their scarcity and those who had predicted the usual appearance of plenty of lilies and low prices at the last had to admit their mistake. The large plant growers had been turning away customers for over a week, and the many small growers did not appear this year with the held-back stock that generally depresses the price on lilies at the last. The totals will not foot up so high as anticipated, even with the advance price, for the plants averaged less blooms than usual, many buds having fallen off before they were two inches long, owing to the dark weather earlier in the season. The large retail stores had their stock safely assured long before Easter week, and the one who failed to do this found nothing to console himself with, for there was nothing to sell to the customer who had set his mind on an Easter lily plant. Prices received by the retailers were high enough to secure them a good profit, and the growers have nothing to complain of as they practically fixed the price themselves. Fifteen cents per bud and bloom was probably the average price for perfect stock. The department stores used thousands of the smaller plants with from one to four lilies, many of them somewhat imperfect, and sold them at 35 cents a plant.

Not a Beauty from lowest grade to highest was left over, is the statement of the growers of American Beauty roses. Some think the absence of the tall lily plants turned the demand to Beauties, while others think it was simply a case of having just enough. The quality of Beauties in general was first class, the early Easter being favorable rather than otherwise. Other roses were not quite so fortunate. If there was too much of anything at Easter, it was roses. Perhaps it would be more correct to say, too many open and weak-stemmed roses, the result of

the hot sunshine of the week previous. These roses brought one-half the price of good carnations in some cases. Even good stock was too plentiful.

Park Notes.

Active steps have been taken to beautify the schoolhouse grounds of Chicago by Superintendent of Streets Fowler and City Forester Prost. Conferences between the Superintendent of Schools Mrs. Young and District Superintendent Miss English have resulted in getting the work under way. Congressmen have been appealed to for flower and vegetable seeds for seventeen school yards, though it does not seem to the writer that this is the best way to obtain them. Chicago should be able and willing to pay the small sum required for seeds, and give the dealers the little profit there is in handling them.

The small parks of the city are under consideration as the proper home for the "nickel theatre," where it can be properly controlled and made of real educational value to all, and especially to the children. It looks like a good idea.

The Park Commissioners of Chicago last week declared themselves in favor of further changes in street names on the West Side. This will change all the boulevards to drives, giving an Anglo-Saxon word for the French one, which means bulwark, and is not so fitting as parkway or drive. The request for the change was presented by the Municipal Art League.

An appeal to the City Council to establish a municipal greenhouse and nursery on the city's Riverside property, known as Gage Farm, is made in the Special Park Commission's report for 1909. The report, which will be sent to the Council tomorrow, emphasizes the point that the city is losing money on the operation of Gage Farm and claims that a nursery for street-planting needs would soon pay "handsome returns to the city."

Considerable diversity in selling prices existed in various parts of the market owing largely to the quality of stock and the extent of the shipping trade. White carnations reached \$5.00 or \$6.00 and sold out clean on first-class stock, while overheated, weak-stemmed blooms, in pink especially, sold as low as \$1.00 per hundred. Sweet peas had a similar experience. There were thousands of short-stemmed ones

that would move slowly at half price, while the prime stock sold at sight for full figure. Violets are not much of a factor for Easter in Chicago, but the orchid dealers report sales of that flower very satisfactory.

Losses from Gas.

Defective gas mains have caused loss to a number of Chicago growers during the past four years. The difficulty of carrying on a suit successfully against a large company by a single individual is easily understood, but by forming an alliance in the shape of a law or claim department in connection with the Florists' Club, it is believed that much better results would follow. P. M. Broadbeck of Evanston has three times this winter lost every leaf and bud. The gas escapes from the man-holes and when the ground is soft, escapes outside the houses; but when the ground is frozen the gas finds escape in the electric conduits nearby and travels along till it finds the unfrozen ground of the greenhouses. During its passage of forty or more feet through the soil it loses its odor and its presence is unknown till results are seen in the plants. Efforts are being made for peaceable settlement, but so far the Gas Company has ignored his just demands. John Lange of Robey street, four years ago had similar loss of plants and employed a professor from Chicago University to assist him in locating the cause, which he attributed to escaping gas. Herman Boski of Bowmanville, has not reached a settlement yet in his suit against the Gas Company for \$5,000 for loss of plants one year ago and two years ago. Some special insurance against gas similar to hail insurance has also been suggested. There is money enough invested in greenhouses in Chicago and vicinity to make the matter of protection an important one.

Personal.

Mrs. Edwin Kanst has the sympathy of the trade in the loss of her mother, Mrs. Alice Hastings, who died March 23rd in Minneapolis, Minn.

Miss Josepha Then has accepted a position with the Masonic Temple Floral Co. Miss Then has been for several years in charge of her father's stock at the Flower Growers' Market, which was recently given up.

O. P. Bassett took his friends by surprise and word comes that he has ventured for the third time upon the sea.

ORCHIDS

ESTABLISHED—Finest and largest stock in the country.

IMPORTED—Coming—All commercial Cattleyas, Oncidiums, Dendrobiums, etc.

Palms in all sizes, Stove Plants, Bay Trees, Box Trees, Evergreens in Variety.

Begonia Lorraine and Agatha

Leaf Cuttings, June Delivery

Julius Roehrs Co. Exotic Nurseries

RUTHERFORD, N. J.

of matrimony. The bride is Mrs. Imogene Dickerson of Detroit, and the wedding took place February 21st, at Santa Barbara, Cal. HORTICULTURE offers congratulations.

Mr. and Mrs. W. H. Romaine reached California safely, where they have gone in the hope of benefiting Mr. Romaine's health. Mr. and Mrs. B. H. Ives of Albuquerque, N. M., entertained them at their home and a letter from Mrs. Romaine, who is a daughter of the late John Thorpe, says that the greenhouses of Mr. Ives are a wonderful sight at this time of the year. They grow iris, carnations, lilies and roses, the latter reaching a height of 10 and 12 feet.

M. B. H.

APHINE

will destroy

Red Spider and Thrips

ALSO

Green, Black and White

Fly, Mealy Bug

and Scale

"The Proof of the Pudding is in the Eating thereof."

Try Aphine

Send for New Descriptive Circular and names of our nearest selling agents.

Aphine Manufacturing Co.

Madison, N. J.

OBITUARY.

Benjamin Kimball.

Benjamin Kimball, a retired florist, died March 21st, of general debility at his home 151 Sterling Place, Brooklyn, N. Y.

John Christiany.

John Christiany, of Sheldon, Ia., died recently, death being due to heart failure. Mr. Christiany was proprietor of the Sheldon Greenhouses for many years.

Abraham Dean Hartley.

Abraham Dean Hartley, landscape gardener of Philadelphia, Pa., died at his home Woodlawn, Bellevue, at the age of 73 years. He came to this country from England in 1867, and settled in Philadelphia, later coming to Pittsburgh.

Arthur Boyle.

The death of Arthur Boyle, of Santa Fe, New Mexico, has just been reported. He was a man of varied attainments with a cosmopolitan knowledge obtained in Europe, Asia, Australia and America. His greatest interest was centered in horticulture in which he had a wide information regarding fruits and flowers and a great affection for horticultural things.

Drewett O. Drewett.

We regret to record the death of this gentleman, an ardent horticulturist, which took place on March 9th, at his residence Riding Mill on Tyne, Northumberland. He was an enthusiastic cultivator of hardy herbaceous alpine and aquatic plants and of trees and shrubs. He likewise interested himself in the crossing and hybridization of orchids and was especially successful with American species of cypripediums and those which flower in the winter season. One of his finest crosses is *C. insigne* James Renwick, named after his gardener.

Geneva, Ill.—Rebuilding operations are in force at the Riverbank Greenhouses. Five of their old houses are to be rebuilt. They will also add four new houses, each 26x9 by 200 feet. This concern has a 50,000-foot boiler plant. Mr. Charles McCauley is superintendent and buyer.

NEWS NOTES.

Portland, Ore.—Clark Bros. have purchased a 10-acre tract on Division street, known as the Gearin tract.

Athens, Ga.—A nursery is to be started here by T. W. Dennington. He has purchased land on the Jefferson road, several miles from the city.

Chicago, Ill.—Eighty acres additional have been leased by Vaughan's Nurseries at Western's Springs. This property adjoins the present and gives a nursery area of 150 acres.

Sumner, Wash.—Ten acres of land, two miles east of this place, have been purchased by the Woodland Floral Co. A large part of it will be put under cultivation as soon as weather permits.

Spokane, Wash.—A general florist and gardening business will be conducted here under the firm name of Burnett Bros. They have purchased two and one-half acres of land and have most of the material on the ground for erection of their houses. W. J. Burnett formerly had charge of the greenhouses of Hoyt Bros.' Co.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN, Mamaroneck, New York.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City and Madison, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England and 235 Broadway, Room 1 NEW YORK CITY

DOUBLE YOUR CARNATION PROFITS—LAST CHANCE TO BUY

The trade has certainly bought liberally of Carnation Dorothy Gordon this winter and spring—orders for rooted cuttings have taxed our producing capacity nearly to the limit, but we're proud of the stock we sent out, and judging by their kind letters, our customers are pleased, too. And next winter, when all those splendid plants come to bloom and these florists begin to make money as they have never before made it from carnations, they'll be still better satisfied.

Have YOU delayed getting in your order for this mag-

nificent new Carnation? If so, this advertisement is addressed to you; we have just a few thousand more cuttings in the sand for April 15th delivery, and when these are taken, no more will be available till next winter.

We urge you, if you want to double your carnation profits, not to delay; the merit of this splendid new variety has been thoroughly proved, and the only possible loss you can experience in the matter is to let this opportunity slip by and stick to the old sorts you've been growing in the past.

Carnation Dorothy Gordon

has a splendid pedigree, a long list of good qualities and an enviable record of prizes and awards. It is a seedling of Lawson on Enchantress, possessing the principal merits of these varieties without their faults. It is vigorous in growth and perfectly free from disease. Its flowers are a trifle darker than Pink Enchantress; they are borne in double the quantity and are of exceptional size—averaging over 3 inches in diameter. They are very fragrant and keep exceptionally well. The market price paid for Carnation Dorothy Gordon is regularly 50 per cent more than that paid for Enchantress.

From the very first, Dorothy Gordon has established a

splendid record as an exhibition variety. High awards were given it at the meeting of the American Carnation Society in 1908 and at the National Gardeners' Association meeting in New York. This season it has attracted much attention and has won further renown at the Pittsburg and Toronto meetings.

In order to give the trade a fair opportunity to test it thoroughly, we have from the first sold rooted cuttings at a price which would get it established everywhere. This low figure still prevails, and the remaining stock will be sold at these prices: \$10 per 100; \$75 per 1,000. No further offers this season.

JOSEPH HEACOCK COMPANY, Disseminators, - WYNCOTE, Pennsylvania

We have a **SPECIALLY** nice lot of

Young Carnation and Chrysanthemum Stock

Now ready; heavily-rooted, sturdy stock and liberal count. Try us once.

CARNATIONS

	R.C. per 100	2 1/2 in
Enchantress.....	\$2.50	\$3.50
Rose Enchantress.....	2.50	3.50
Beacon.....	2.50	3.50
White Perfection.....	2.50	3.50
White Enchantress.....	2.50	3.50
Georgia.....	4.00	5.00
Welcome.....	3.00	4.00

CHRYSANTHEMUMS

A few stock plants of October Frost, C. Touset, Alice Roosevelt, Golden Glow, still left at \$3 per 100, \$25 per 1000.

The following in R. C. and 2 1/2 in. stock:

Alice Roosevelt, October Frost, Golden Glow, Rosiere, Monrovia, Minnie Bailey, Appleton, White Bonaffon, Alice Byron, Dr. Enguehard, Yanoma, Wanamaker, Hankey, and nearly all standards, \$2 per 100, \$15 per 1000 for R. C. \$2.50 per 100, \$20 per 1000 for 2 1/2 in. pots.

Virginia Poehlmann, \$3 per 100 R. C. \$4 for 2 1/2 inch Golden Eagle, Lynwood Hall, \$4 per 100 R. C. \$5 for 2 1/2 inch. Pres. Taft, Mrs. W. E. Kelley, \$12 per 100 R. C. \$12 for 2 1/2 inch.

I. M. RAYNER, GREENPORT, L. I., N. Y.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,
Sangamo, Brilliant pink,
Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATION

Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATALOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

PRICE: Rooted Cuttings, \$2.00 per 12, \$12.00 per 100, \$100.00 per 1000. 25 at the 100 rate; 250 at the 1000 rate.

Plants from 2 inch pots \$15.00 per hundred.

ALMA WARD all sold.

Cottage Gardens Co., Inc.

QUEENS, LONG ISLAND, N. Y.

BEACON CARNATION CUTTINGS

We have a quantity of well-rooted cuttings from especially strong stock.

THESE ARE CUTTINGS THAT ARE SURE TO PLEASE.

Nothing Spectacular—Just the Best Cuttings that can be had, and at Right Prices, and notice particularly that these cuttings are from SOIL and come from stock that DOES NOT SPLIT.

CARNATION CUTTINGS

Clean, well-rooted stock, the kind that will make you and your friends our regular customers. N. B.—Our White Enchantress is PURE WHITE with NO strain of color.

	Per 100	Per 1000		Per 100	Per 1000
Winsor	\$2.50	\$20.00	Enchantress	\$3.00	\$25.00
Beacon	3.00	25.00	White Perfection.....	3.00	25.00
White Enchantress.....	2.50	20.00	Rose Pink Enchantress...	2.50	20.00

Immediate delivery. Write for special prices on large quantities. No order too large for our facilities. Chrysanthemum cuttings in best variety, also.

J. D. THOMPSON CARNATION CO., - - Joliet, Ill.

ROOTED CUTTINGS CARNATIONS HEALTHY STOCK

Beacon, Enchantress, Kingston Pet, White Enchantress, Winsor. Price \$3.00 per 100; \$25.00 per 1000.

Lady Bountiful, Mrs. T. W. Lawson, Red Lawson, Pres. Seelye, Variegated Lawson, White Lawson. Price \$2.50 per 100; \$20.00 per 1000.

ROSES

Grafted and Own Root. Have a few thousand each. Send for List.

WOOD BROTHERS
FISHKILL, N. Y.

PEONIES

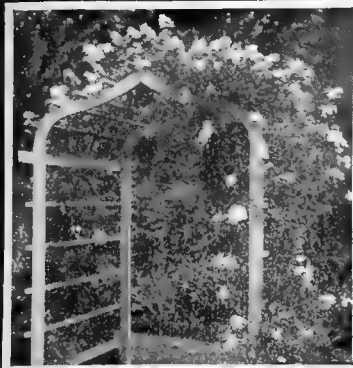
Send for our list. The very choicest Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,
Richmond, Indiana.



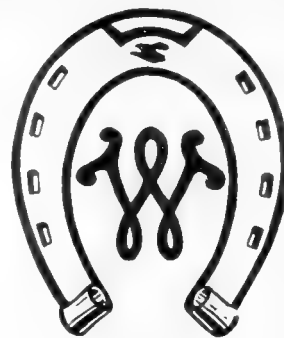
Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,
Mount Hope Nurseries. Rochester, N. Y.



"NOT HOW CHEAP—
BUT HOW GOOD"

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century,
Rose Pink Century, Virginia Maule,
Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts,
\$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN,
JUNCTION, N. J.

BUSINESS CHANGES.

Canton, Ill.—The Barnhart Greenhouses have been leased by C. E. & W. H. Savill.

Mount Gilead, Ohio.—The property of Armondo L. Munk, bankrupt, was sold on March 12 to O. A. White of Chicago.

Lockland, Ohio.—The Bloomhurst Floral Co. has purchased the plant of W. K. Partridge. The corporation was recently chartered at Columbus.

Colorado Springs, Col.—The greenhouse of A. D. Jones was sold to Oscar Lillyback of Memphis, Tenn., on March 17. Mr. Lillyback has given a five-year lease to R. L. Pemberton and D. A. Harris, who will carry on the business.

Salt Lake City, Utah.—Judge Armstrong of the district court rendered a verdict March 14 in favor of Thomas Meehan & Sons against the Pioneer Nursery Co. for the sum of \$551.47 and interest from Jan. 21, 1908. This amount was what was found due for a shipment in 1908.

Fairview, Ill.—B. Eldridge is now sole owner of the Bellville Plant and Flower Co. August Lembke will have charge of both Mr. Eldridge's houses. They intend to do a wholesale business in connection with the business from his private greenhouse. Business will be conducted under the name of the B. Eldridge Co. The charter of the Bellville Plant and Flower Co. has been surrendered.

GRAFTED ROSES.

Killarney, White Killarney, My Maryland, Bride, 'Maid, Richmond, Golden Gate, Mrs. Jardine and Chatenay, all \$15.00 per hundred.

**FIRST CLASS STOCK.
IMMEDIATE DELIVERY.**

Also a full line of OWN-ROOT STOCK, of all the Standard Varieties.

CHARLES H. TOTTY, MADISON,
N. J.

In ordering goods please add "I saw it in HORTICULTURE."

DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

Catalogue Free

J. L. MOORE, Northboro, Mass.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

Horseshoe Brand Products

It is not the man who does different things than others who earns recognition—it's the man who does the same thing better.

In order to do the same thing better in the lily growing business, you must first have a solid foundation—the best bulbs.

Horseshoe Brand lily bulbs are of superior quality and will average better than any other brand known.

Write for prices.

RALPH M. WARD & CO.

12 West Broadway, - - - New York

All varieties of Cold Storage Lily Bulbs on hand for sale.

Seed Trade

Oakland, Cal.—The Piedmont Floral & Seed Co. has moved to 64 San Pablo avenue.

Onion sets are practically cleaned up and prices are stiff on what little is left in dealers' hands.

SEED PACKAGE RULING.

Mailing Division.
UNITED STATES POST OFFICE,
Philadelphia, Pennsylvania.

March 14, 1910.

Dear Sir: The Post Office Department has called the attention of this office to the fact that packages of seeds mailed by seedmen in Philadelphia are not properly packed for mailing under the third class rate of postage, that is, one cent for each two (2) ounces or fraction thereof.

The regulation in regard to this matter reads as follows:

"Seeds . . . which are liable from their form or nature to loss or damage, unless especially protected, must be put up in sealed envelopes made of material sufficiently transparent to show the contents clearly without opening."

The packages mailed by your firm do not comply with this requirement, as the sealed envelopes are not sufficiently transparent to show the contents.

In view of the fact that your firm has been permitted to mail seeds in this manner heretofore without question, I am instructed to immediately bring the provisions of the Postal Laws and Regulations cited to the attention of all seed concerns in this city, advising them that mailings of such seeds on and after July 1st next cannot be accepted at the third class rate of postage unless the requirements of the aforesaid regulations are met.

Before you prepare any further envelopes for the mailing of seeds under these regulations permitting the mailing of such matter at the third-class rate of postage, I have to suggest that you submit samples of the envelopes to the Superintendent of Mails, Room 204, this office, for decision as to whether they are sufficiently transparent to be transmitted in the mails under this rate of postage.

Very respectfully,
RICHARD L. ASHURST, Postmaster.

FIRE RECORD.

Mankato, Minn.—The greenhouse of E. C. Willard, Baker and Moreland Aves., with its stock of vegetables, has been destroyed by fire. A fire occurred at the same time last year with a total loss.

Washington, D. C.—On March 14 the heating plant and ends of three greenhouses belonging to Michael J. McCabe, Walker road, were destroyed, with an estimated loss of between \$2,000 and \$3,000, not covered by insurance.

E. W. Guy, of Belleville, Ill., had a bad loss on Thursday, March 24, from fire which broke out early in the morning and burned him out almost completely. His loss will be great as all of his Easter plants and spring stock was lost. Mr. Guy's many St. Louis friends express their sincere sympathy.

The residence of Campbell Erdman, a Baltimore florist, was destroyed by fire early last Saturday morning, causing a loss of \$3,000. Mr. Erdman was at work in his greenhouses at 6 a. m., when he discovered fire. In order to save his family he had to brave the flames, but he succeeded in getting wife and children out in safety.

SAVING THE PEACH CROP.

For years the peach brown rot has been recognized as a most destructive disease of stone fruits. This is a fungous disease, and it is widespread, and very destructive to the peach crop. The loss which it inflicts on peach growers will easily average \$5,000,000 yearly. The loss to the peach crop of Georgia alone is estimated at \$1,000,000 a year.

Much work has been done with a view to discovering a satisfactory remedy for this trouble. Spraying with diluted Bordeaux mixture has been most commonly recommended, but its injury to the foliage has made it unsatisfactory, since the remedy must be applied during the growing season.

The peach scab (often called "black spot") is another disease which seriously affects the peach crop in all sections east of the Rocky Mountains, although not causing such serious losses as brown rot.

As the result of experimental work by the U. S. Department of Agriculture, a cheap and simple remedy for this disease has been found in the self-boiled lime-sulphur wash. This can be applied during the growing season with very little danger of injuring the fruit or foliage, and it is very effective. Furthermore, by mixing arsenate of lead with the fungicide, the curculio can be destroyed at the same time.

The Department has just issued a bulletin describing the preparation and use of the remedy. This publication will be of great interest to peach growers in all sections.

CATALOGUES RECEIVED.

"Velvetlawn" Seeder Co., Springfield, O.—Folder of Velvetlawn Seeders.

Berrydale Experiment Gardens, Holland, Mich.—Folder of specialties in new flowers and small fruits of merit.

Ross Bros. Co., Worcester, Mass.—General Catalogue of Seeds, Plants, Farm and Garden Supplies. Cover in colors, handsomely illustrated and in all respects creditably representing a wide-awake seed house.

William Tricker, Arlington, N. J.—Water Lilies and Hardy Old-Fashioned Garden Flowers. Mr. Tricker is at home with these subjects, as everybody knows, and his catalogue is just what we should expect—a well-selected list of the best.

Felix & Dykhuis, Boskoop, Holland.—Wholesale Trade List, 1910-1911. This is an elaborate production, very systematically arranged and covering the entire field of garden plants and trees, forcing plants, fruit trees and other Belgium specialties. A plate in colors, of Spiraea Peach Blossom is inserted as a frontispiece.

Bobbink & Atkins, Rutherford, N. J.—General Catalogue for 1910. In this publication this well-known nursery firm have placed in the hands of the public one of the most complete descriptive price lists issued in this country, and one that is elegant in every respect. The covers in grey tint are artistically adorned with cluster of roses on front and view of rhododendron garden on back page. The illustrations throughout are profuse and beautiful. It is the kind of book that will help sell the goods.

NEWS NOTES.

Boston.—Henry M. Robinson & Co. have secured a long lease of the entire three upper floors in the Perry Building, 15 Chapman place. This, added to the two floors they have been occupying at 9 Chapman place, will give them abundant room for contemplated extensions in their florists' supply department.

Brookings, S. D.—Correspondence courses for home study in agriculture, horticulture, poultry culture, domestic science and nature study are now provided by the South Dakota State College. These courses are for all members of the farm family, for school teachers and everyone everywhere who wishes to learn. The courses of study are planned not for financial profit but to bring scientific and practical instruction within the reach of those who cannot attend college yet are ambitious to gain instruction helpful in their work and life. Four systematic courses are offered in horticulture covering the subjects: 1. Vegetable Gardening. 2. Fruit Culture. 3. Floriculture. 4. Forestry. Full information will be furnished free to any of the readers of HORTICULTURE on request to A. A. Brigham, director College Extension.

THE MYSTERY.

"Tain't me," says the farmer,
"Who's gettin the stuff."
"Tain't me," says the packer.
"I get just enough
To pay a small profit,
As fair as can be."
And all of them chorus
Together: "Tain't me."

"Tain't me," says the tanner,
"Who gets the high price,
For high shoes and low ones,
For slippers and ties."
"Tain't me," says the rancher;
"I live and that's all."
"Tain't me," says the dealer;
"My profits are small."

"Tain't me," says the canner;
"My margin's the same."
"Tain't me," says the huckster,
"Who's bracin' the game."
"Tain't me," says the gardener;
"I'm poor all th' time."
"Tain't me," says the grocer;
"I ain't seen a dime."

It's surely a puzzle
To know where it goes;
No maker or seller
Or any of those
Partake of high prices,
So they all agree;
And I'm a consumer,
I'm certain "tain't me."
—J. W. Foley, in Boston Herald.

	Per 100	Per 1000
BEE PLANTS	2 c.	\$1.25
EGG PLANTS	40c.	2.00
PEPPER PLANTS , Bull Nose, Sweet Mountain and Ruby King	40c.	2.00
TOMATOES , Small Plants, Earli- ana, Early Jewel, Dwarf Stone and Champion, Ponceroza and Match- less	30c.	2.00
TOMATOES , Small Plants, Stone, Paragon, Favorite and Success	20c.	1.00
CASH WITH ORDERS		
R. VINCENT, JR., & SONS CO. White Marsh, Md.		

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass

ESTABLISHED 1820

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HIGHEST GRADE ONLY

Send for special wholesale catalogue for Market Gardeners and Florists

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

Reliable Seeds

Of My Own Raising.

Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts. \$1.25.....	Oz. Tr. Pkts	.25
Alyssum Zangen's Carpet Queen, dwarfest for pot use, 6 Tr. Pkts. \$1.25.....		.25
Phlox dwarf Fireball.....	2.50	.35
" " Roseball.....	2.00	.3
" " Snowball.....	3.00	.40
" " Cecily, all shades mixed.....	2.50	.35
Salvia Zangen's Fireball, fine for pots, early.....	4.00	.50
Salvia Zangen's King of Scarlets late.....	10.00	.50
" " Zurich, earliest dwarf.....	8.00	.50

For Other Seeds See My New Catalogue. IT'S FREE.

O. V. ZANGEN, Seedsman, HOBOKEN, N. J.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY

ONION SETS — POTATOES

Early Ohio Potatoes, \$1.10 bu.; Early Irish Cobbler, \$1.10 bu.; Genuine Danish Ball-head Cabbage Seed (imported stock) \$4.00 lb. All Early Radish seed (French Stock) \$.40 per lb. Northern grown Yellow or White Onion Sets, \$2.00 per bu. All F. O. B. Syracuse. Remittance with order. Reference any bank in Syracuse.

F. H. EBELING, Seedsman
Established 1868. Syracuse, N. Y.



Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c. oz. \$4.00.
Pure White, Tr. pkt. 50c. oz. \$5.00.
Also Beauty of Nice strains.
H. E. Fiske Seed Co.,
Boston, Mass.

PALM SEEDS

KENTIA SEED

Per S. S. Australis to arrive this month, also other Palm Seeds for Immediate Delivery

	Per 100	Per 1000	Per 10,000
Kentia Forsteriana.....	\$.50	\$4.50	\$40.00
" Belmoreana.....	.50	4.00	37.50
Cocos Weddelliana.....	1.00	7.50	70.00
Areca lutescens.....	1.00	7.00	70.00
Litsea Borbonica.....	.30	2.50	20.00
Livistona rotundifolia.....	2.00	17.50	
" Chinensis.....	1.00	7.50	70.00
Phoenix Canariensis.....	.30	3.00	27.50
" Roebelinii.....	1.00	7.50	
Musa Ensete.....	1.00	7.50	

Prices Upon Larger Quantities on Application

ARTHUR T. BODDINGTON, Seedsman
342 West 14th St., New York City



LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CAULIFLOWERS CABBAGE SEED

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20, COPENHAGEN, DENMARK.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 1910 next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

SEED for FLORISTS

TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.

Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
26 & 27 So. Market St., BOSTON, MASS.

NEW CROP FLOWER AND VEGETABLE SEEDS FOR FORING

Asters, Salvias, Vincas, Verbenas, Stocks and Petunias, Tomato "The Don," Onion "Ailsa Craig," Mushroom Spawn—English and Pure Culture. Special prices and catalogue on application.

Seed Merchants & Growers
Weeber & Don, 114 Chambers Street, NEW YORK

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

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CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory
1017 BROADWAY, KANSAS CITY, MO.
Both 'Phones 2670 Main.



WASHINGTON,
D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

It carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

Minneapolis, Minn.—Radisson Shop
Co.

Wilkesbarre, Pa.—The Fernery, Mrs.
Herbert.

Hartford, Conn.—Page E. Potter, 653
Main street.

Chicago, Ill.—Wm. A. Engbrecht,
West 21st street.

Gloversville, N. Y.—Richard E. Loe-
ben, Windsor Hotel.

Benton Harbor, Mich.—A. J. Youngs,
143 Pipestone street.

Rocky River, Ohio.—John Leusehner,
14704 Detroit avenue.

Chicago, Ill.—A. J. Simmons, 63rd
street and Yale avenue.

Minneapolis, Minn.—Miss Witted,
10th street and Nicolett avenue.

STEAMER DEPARTURES

Atlantic Transport.

Minnehaha, N. Y.—London....Apr. 9

Cunard.

Ivernia, Boston-Liverpool....Apr. 12

Campania, N. Y.—Liverpool...Apr. 6

French.

La Savoie, N. Y.—Havre.....Apr. 7

Hamburg-American.

Graf Waldersee, N. Y.—H'burg Apr. 9

North German Lloyd.

Kaiser Wil'm II, N. Y.—B'm'n. Apr. 5

Prinzess Irene, N. Y.—Medit'r'n. Apr. 9

Red Star.

Kroonland, N. Y.—Antwerp....Apr. 2

Finland, N. Y.—Antwerp.....Apr. 9

White Star.

Laurentic, N. Y.—Liverpool....Apr. 2

Philadelphia, N. Y.—S'hampton. Apr. 2

Adriatic, N. Y.—S'hampton....Apr. 9

Romanic, Boston-Medit'r'n....Apr. 2

PERSONAL.

Chas. P. Collins will have charge of
the Kingston Plains Cemetery, North
Danville, N. H., this year.

Frank Warrington, Mt. Kisco, N. Y.,
is now gardener for W. H. Vreden-
burgh, Esq., Freehold, N. J.

Julius Schuenhoff, formerly with J.
V. Tilton, Wellesley, Mass., is now at
the Sunnyside Nurseries, Dundee,
N. Y.

Peter J. Olinger, florist, and family
of 132 Division street, Cincinnati, Ohio,
were recently taken very ill with
ptomaine poisoning.

C. P. Owens has accepted a position
in the store of Mrs. J. W. Rodgers,
Summer St., Boston. He was former-
ly with R. T. McGorum.

James B. Allan, of the firm of George
& Allan, Cincinnati, Ohio, has received
from the park commissioners the ap-
pointment as city nurseryman.

Mr. and Mrs. Thos. F. Galvin of Bos-
ton, announce the engagement of their
daughter, Alice Marguerite to Mr.
James Samuel Willoughby of Balti-
more. The wedding will take place
early in June.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
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DAVID CLARKE'S SONS

Deliver orders from any part of the country to
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Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

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In the Heart of New York City

1294 Broadway

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Our Motto—The Golden Rule

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE BEST LETTERS

FOR **R** THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

AS SOME PEOPLE THINK IT IS AFTER EASTER.

**PERSONAL.**

F. Schwalbe has resigned his position as City Florist for Savannah, Ga.

T. M. Barrett of Rutland, Vt., has bought a florist business in Portland, Ore.

Jas. L. Carbery, Washington, D. C., is temporarily with the Department of Agriculture.

John Peters is now employed as gardener for the Compton Hill Park, St. Louis, Mo., under Phil Goebel.

J. McHutchinson of New York sailed on March 30 per S. S. Lusitania for Europe on annual business trip.

Miss Margaret Crotty and Miss Elver Schaefer have accepted positions with the Baur Floral Co., of Erie, Pa.

A. E. Madden, rose and carnation grower and designer for the Trimble Greenhouses, Princeton, Ill., is seriously ill with pneumonia. Mr. Madden was formerly with Washburn & Sons in Bloomington.

E. H. Wilson sails today (April 2), on S. S. Laurentic from New York, en route to China, where he is to resume his explorations. Mrs. Wilson and daughter accompany Mr. Wilson as far as London.

James Wheeler, head gardener for Joseph White, Brookline, Mass., is succeeded by W. D. Nickerson, who has been his assistant. As has been reported in these columns before, Mr. Wheeler is building a range of commercial greenhouses at Natick.

J. Krug & Son, Alton, Ill., celebrated their 29th year in the florist business last week at both of their stores, and each caller received a flower of some kind. Their new branch store in the Pike Building, is doing a big business,

also the old one in the Commercial Building.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

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Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.
New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.
New York—Dards, N. E. cor. 44th St. and Madison Ave.

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LILLIES
\$12.00 per 100.
WHITE and YELLOW DAISIES
\$1.50 and \$2.00 per 100.

VALLEY
\$3.00 and \$4.00 per 100.

SWEET PEAS
75c. and \$1.00 per 100.

KILLARNEY
a large supply of extra good quality.

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WHOLESALE FLORISTS
1209 Arch Street, - PHILADELPHIA, PA.

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IF YOU

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want a regular or special supply of the product of the best growers

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Cut Easter Lilies

Well hardened off, long and medium stems. In quantity.

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

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Greenhouses. - Morton Grove, Ill.

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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Mar. 29	TWIN CITIES Mar. 28	PHILA. Mar. 26	BOSTON Mar. 31
ROSES				
Am. Beauty, Fancy and Special...	30.00 to 40.00	30.00 to 35.00	50.00 to 60.00	25.00 to 35.00
Extra	20.00 to 30.00	20.00 to 30.00	25.00 to 30.00	15.00 to 20.00
No. 1	15.00 to 20.00	13.00 to 20.00	20.00 to 25.00	10.00 to 15.00
Lower grades	10.00 to 15.00	8.00 to 12.00	5.00 to 10.00	3.00 to 8.00
Bride, 'Maid, Chatenay, F. & S.	6.00 to 8.00	6.00 to 8.00	12.00 to 15.00	5.00 to 8.00
Lower grades	3.00 to 6.00	4.00 to 6.00	4.00 to 8.00	1.00 to 3.00
Killarney, My Maryland, Fan, & Sp.	6.00 to 10.00	8.00 to 12.00	12.00 to 15.00	6.00 to 12.00
Lower grades	3.00 to 6.00	6.00 to 8.00	4.00 to 8.00	1.00 to 4.00
Richmond, Fancy & Special	6.00 to 10.00	8.00 to 12.00	20.00 to 25.00	6.00 to 12.00
Lower grades	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	1.00 to 4.00
CARNATIONS, Nov. and Fan.				
Ordinary	2.00 to 3.00	3.00 to 4.00	5.00 to 6.00	2.00 to 2.50
.....	1.50 to 2.00	2.00 to 3.00	2.00 to 4.00	1.00 to 1.25
MISCELLANEOUS				
Cattleyas	30.00 to 40.00	35.00 to 50.00	..... to 60.00	40.00 to 50.00
Lilies	10.00 to 12.00	12.50 to 15.00	12.00 to 15.00	8.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	1.00 to 3.00
Daffodils	1.00 to 2.00	2.00 to 2.50	..... to 5.00	1.00 to 1.50
Tulips	1.00 to 3.00	2.00 to 3.00	3.00 to 5.00	1.00 to 1.50
Daisies .....	..... to 1.00	..... to 1.00	1.50 to 2.00	1.00 to 2.00
Snappedrag	10.00 to 12.00	6.00 to 8.00	1.00 to 2.00	4.00 to 8.00
Hyacinths .....	..... to 1.00	3.00 to 4.00	2.00 to 3.00	2.00 to 4.00
Violets .....	.50 to .75	.75 to 1.00	.50 to 1.50	.20 to .60
Mignonette	2.00 to 6.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Sweet Peas .....	.50 to 1.00	.75 to 1.00	.50 to 1.00	.25 to 1.00
Gardenias	20.00 to 25.00	20.00 to 35.00	..... to 15.00	15.00 to 30.00
Adiantum .....	..... to 1.00	1.00 to 1.25	1.00 to 2.00	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 15.00	20.00 to 25.00	12.00 to 16.00
Asparagus Plumosus, strings (100) ..	50.00 to 60.00	40.00 to 50.00	..... to 50.00	..... to 50.00
" " & Spren. (100 bchs.) ..	25.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.

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FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, *Nephrolepis magnifica*; in roots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers Roses and Carnations Our Specialty

Flower Market Reports.

BALTIMORE The Florists' Exchange did more business than at any previous Easter. Shipments to northern cities was unusually large and the blooms sent very excellent. The warm weather forced some plants and caused an over-abundance of flowers to come in at one time. Jonquils from the South put in their appearance in great numbers and they kept prices down somewhat.

Easter in Boston was generally satisfactory to the retailers, moderately satisfactory to the wholesalers and varyingly satisfactory or disappointing to the growers. We are not including the plant people in this statement; they were all satisfied, as usual—the only exception being some of the lily growers who, in their anxiety to get their crop on time, had hastened their plants with overheating to such an extent that the stuff went to pieces as soon as delivered and—"listen to my tale of woe." The net result of the Easter cut flower trade in the wholesale marts was a well-filled cash register, due to the local fakir trade, a lot of bulb stock, including lilies, left over and a conviction that, hereafter, the only way to make the most of the Easter demand is to let the people have their flowers at minimum prices. The hot weather and resultant heavy crops put all forecasts into "innocuous dessuetude." The markets were overburdened with an avalanche of flowers such as never before confronted the Easter buyer. There was nothing to do but to unload and, thanks to the street men, they did unload. Hive of bees let loose on a clover patch never equalled the onslaught of the street men when the situation was understood. A thousand hives of bees never compared with the swoop of the public on the street men as soon as they realized that they could have some Easter flowers at a price they could afford. Never before were flowers sold so cheap in Boston; never before were so many sold, and never before did the street shopper get such an opportunity to buy for Easter. It is worth thinking over—this 1910 Easter experience. The aftermath is a raft of protests about violets which fell to pieces after delivery; lilies which shrivelled brown on being transferred to the living room; azaleas that lasted but an hour. Violet growers do not "salt" their flowers—they merely leave them on the plants; keep them for weeks and then pick for Easter; and then complain because the people decide to buy something else. Tulips sold slowly; daffodils were far overstocked. White carnations sold best; Enchantress came next in favor; scarlet, once invincible, was left far in the rear. There was an overstock of Killarney, Bride and Bridesmaid roses. Beauty sold well. Gardenias and lily of the valley enjoyed only a moderate call, while orchids flew very high and there were not half enough of them. High quality sweet peas were at the head of the list. Stocks and mignonette were dead ones and anyone who wants to grow them should figure on Decoration Day, not Easter, as their objective point. This week nothing is selling. It's a dead proposition on all sides.

(Reports continued on page 527)



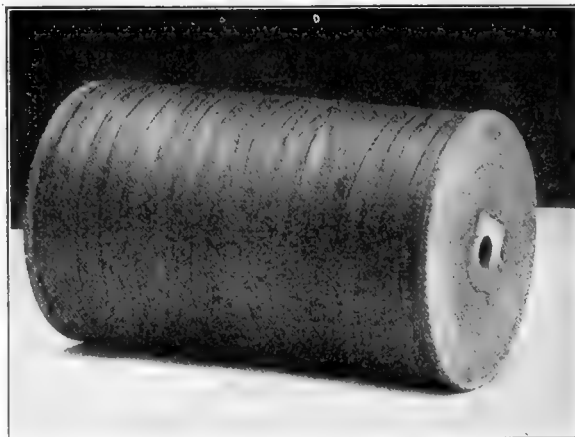
HIGHLY FINISHED TYING TAPES

This is the strongest, neatest and most economical tying tape we know, and should be used always where elegance and exclusiveness is desirable in tying flower boxes. Also very useful for tying mats and crepe paper around pots, etc. Price per spool of 1000 yards., \$1.75. Stock Colors: Foliage Green, Red, Light Blue, Violet, White.

Ribbons and Supplies.

Every florist using our ribbons feels that he has the latest and choicest the world affords, and that his work has that exclusiveness and individuality about it not obtainable in using inferior makes. We also have the finest line in florists' fancy pins and all kinds of supplies.

Send for Catalog.



CEDAR BARK.

Window Box time. Have you plenty of Cedar Bark? Bundles of about 25 square feet, \$1.00 each. Special price in quantity.

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THE WHOLESALE FLORISTS OF

1608-20 LUDLOW STREET,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI			DETROIT			BUFFALO			PITTSBURG		
	Mar. 29			Mar. 29			Mar. 29			Mar. 29		
ROSES												
Am. Beauty, Fan, and Sp.....	30.00	to	40.00	30.00	to	40.00	30.00	to	40.00	30.00	to	40.00
" Extra	20.00	to	45.00	20.00	to	25.00	25.00	to	30.00	15.00	to	25.00
" No. 1.....	10.00	to	15.00	12.00	to	15.00	15.00	to	20.00	8.00	to	12.00
" Lower grades.....	4.00	to	6.00	6.00	to	10.00	.50	to	1.00	4.00	to	6.00
Bride, "Mald, Chateauf, F. & S.....	8.00	to	10.00	8.00	to	12.00	10.00	to	12.00	8.00	to	10.00
" Low. gr.....	4.00	to	6.00	4.00	to	8.00	4.00	to	8.00	4.00	to	6.00
Killarney, My Maryland, Fan, & Sp.....	8.00	to	10.00	8.00	to	10.00	8.00	to	12.00	8.00	to	12.00
" Lower grades.....	4.00	to	6.00	4.00	to	6.00	4.00	to	6.00	4.00	to	6.00
Richmond, Fancy & Special.....	8.00	to	10.00	8.00	to	12.00	1.00	to	12.00	8.00	to	10.00
" Lower grades.....	4.00	to	6.00	4.00	to	8.00	4.00	to	6.00	4.00	to	6.00
CARNATIONS, Novelties and Fancy												
" Ordinary .....	.....	to	1.00	4.00	to	5.00	.....	to	3.00	.....	to	3.00
" .....	.....	to	2.00	3.00	to	4.00	1.50	to	2.50	2.00	to	2.50
MISCELLANEOUS												
Cattleyas.....	50.00	to	60.00	50.00	to	75.00	50.00	to	60.00	.....	to	75.00
Lilies.....	12.00	to	15.00	12.50	to	15.00	8.00	to	12.00	.....	to	12.00
Lily of the Valley.....	3.00	to	4.00	3.00	to	4.00	3.00	to	4.00	3.00	to	4.00
Daffodils.....	1.00	to	3.00	3.00	to	4.00	2.00	to	3.00	1.50	to	3.00
Tulips.....	2.00	to	3.00	3.00	to	4.00	2.00	to	3.00	.....	to	.....
Daisies.....	.35	to	.50	1.00	to	2.00	1.00	to	2.00	1.50	to	2.00
Snape dragon.....	6.00	to	8.00	.....	to	.....	2.00	to	5.00	4.00	to	8.00
Hyacinths.....	3.00	to	5.00	3.00	to	4.00	2.00	to	3.00	.....	to	.....
Violets.....	.....	to	.....	.50	to	1.00	.50	to	.75	.50	to	.75
Mignonette.....	.....	to	.....	4.00	to	10.00	2.00	to	3.00	3.00	to	4.00
Sweet Peas.....	.50	to	1.00	.50	to	1.00	.50	to	1.00	.50	to	1.25
Gardenias.....	.....	to	.....	25.00	to	35.00	50.00	to	60.00	.....	to	.....
Adiantum.....	1.00	to	.....	1.00	to	1.50	.10	to	1.50	1.25	to	1.50
Smilax.....	12.00	to	15.00	12.50	to	15.00	.....	to	15.00	.....	to	15.00
Asparagus Plumosus, strings (100)	35.00	to	50.00	25.00	to	40.00	40.00	to	50.00	30.00	to	50.00
" " & Soren. (100 bchs.)	.....	to	25.00	25.00	to	40.00	35.00	to	50.00	30.00	to	50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

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Choice Cut Flowers,

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Alfred H. LangjahrAll choice cut-flowers in season. Send
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Manager 3642-43 Main**Moore, Hentz & Nash**

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LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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Walter F. Sheridan

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HEADQUARTERS FOR NOVELTIES**ORCHIDS A SPECIALTY**

THE HIGHEST

GRADE OF

VALLEY

ALWAYS

ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

Telephone
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55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
till 10 a. m.

Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

CUT FLOWERS**Finest Lilies in the Market Every Day in the Year.****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Mar. 26 1910		First Half of Week beginning Mar. 28 1910	
American Beauty, Fancy and Special.....	40.00	to 60.00	30.00	to 40.00
" " Extra.....	15.00	to 25.00	15.00	to 25.00
" " No. 1.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, Field, Golden Gate, Fancy and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Killarney, Fancy and Special.....	4.00	to 10.00	3.00	to 10.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Fancy and Special.....	10.00	to 20.00	10.00	to 12.00
" " Lower Grades.....	1.00	to 6.00	1.00	to 6.00
Ply Maryland.....	2.00	to 8.00	2.00	to 10.00
Carnations, Fancy and Novelties.....	2.00	to 4.00	2.00	to 3.00
" " Ordinary.....	1.00	to 2.00	1.00	to 2.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES: 1664-1665 MADISON SQUARE
ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

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THE KERVAN COMPANY*Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

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A First Class Market for all CUT FLOWERS

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**KRICK'S FLORIST
NOVELTIES**Manufacturer and Patentee of the Perfect
Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
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ters, etc. Every Letter Marked.1164-86 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses

WHOLESALE FLORISTS
54 West 28th St.
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Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

Flower Market Reports

(Continued from page 527)

With the exception of NEW YORK violets and orchids this market was over-supplied with all kinds of cut flower stock for Easter. Warm weather, on-coming crops of roses, contributed to a condition that made it impossible to maintain prices to move all the material shipped in. The majority of shipments were of good quality—roses particularly. Beauties were not in heavy supply and the price realized on them was better proportionately than for other varieties. Richmond, however, sold very well and fairly good figures prevailed for prime stock. Considering the large quantity of Killarneys received they fared pretty good, though considerable stock was left over. Brides and Bridesmaids were far down on the list of sellers and with resultant low averages so far as prices are concerned. There were plenty of carnations and quotations never reached high figures, the results falling below a year ago. Much stock had little staying quality because of its mature condition. Orchids were not over-plentiful and were in demand, as were first quality gardenias and violets for corsage wear. There were all kinds and conditions of violets in the market; some were almost worthless and many were good. The latest shipments fared the best. The bulk of the stock went to the street people and small stores, though the larger dealers used more than usual. Bulbous stock was very plentiful and the demand for it was small. All of the cut lilies were not moved—many were left over. The best trade bought sparingly of cut flowers, those having preference with them being the flowers usually worn.

The retail establishments express satisfaction generally with the Easter results. As in all recent years, the plant trade ran far ahead of the cut flower section, especially in those stores frequented by select society patrons. It was noted, however, that even in these places plant buyers were looking for low-priced goods. All were disposed to send a remembrance so that their friends should know that neither they nor the day were forgotten, but the emulation of past seasons as to who should send the handsomest plants was not in evidence, and the man who could be depended upon to buy the big azalea on Saturday never showed up. Still the plant trade, in the aggregate, was enormous and anything good and of medium size generally found an eager purchaser. The worst feature of the plant situation was one that many feared. On account of the early Easter and the inclement weather of mid-winter, growers were



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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

FLOWER GROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. **WHOLESALE FLOWERS ONLY.**

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Mar 26 1910	First Half of Week beginning Mar. 28 1910
Cattleyas.....	50.00 to 60.00	40.00 to 50.00
Lilies.....	6.00 to 12.00	3.00 to 6.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Narcis. Paper White.....	.50 to 1.00	.50 to 1.00
Trumpet Narcis.....	1.00 to 2.00	.50 to 2.00
Tulips.....	1.00 to 2.00	1.00 to 2.00
Violets.....	.50 to .75	.25 to .50
Mignonette.....	1.00 to 4.00	1.00 to 4.00
Sweet Peas (per 100 bchs).....	3.00 to 8.00	3.00 to 8.00
Gardenias.....	13.00 to 25.00	10.00 to 25.00
Adiantum.....	1.00 to 1.25	1.00 to 1.25
Smilax.....	12.00 to 16.00	12.00 to 16.00
Asparagus Plumosus, strings.....	25.00 to 35.00	25.00 to 35.00
" " & Spreu. (100 bchs).....	25.00 to 35.00	25.00 to 35.00

frantically anxious and pushed their plants to the limit of endurance, and it turned out that the condition of much of the plant stock at Easter was very unfavorable as to keeping quality, many Rambler roses, azaleas and other blooming plants going to pieces in a shocking manner and entailing losses on the dealer who was obliged to replace the goods in many cases.

The retail stores did not indulge heavily in cut flowers and only ordered as call materialized. While the demand for flowers, on the whole, showed an increase it was apparent that the increase was for church use and religious observance rather than for private gifts—and in the case of the latter the same disposition to economy and moderation as in the plant trade, was very noticeable. Some retailers are inclined to criticize the wholesale prices of cut flowers at Easter as unreasonable, but this complaint is not universal, by any means.

Easter week in PHILADELPHIA the cut flower market was fairly satisfactory as to volume, and the aggregate of receipts realized compared favorably with former years. Some growers were foolish enough to hold back their stock and late in the week prices suffered disastrously. This was especially so with carnations, and in the poorer grades of roses. Violets sold out clean, and more could have

been handled. Singles did not give good satisfaction—it being too near the end of the season. American Beauty roses improved as the week advanced—the new crop gradually getting better. In fact, the fine, warm, clear weather brought increased quantities of everything, and this with the "salting" caused the break in prices Friday and Saturday. Easter lilies had a great sale; but there were too many of them. A large remainder had to be carried over. Orchids were good stock right through and brought good money. Lily of the valley also cleaned up well, it being unusually popular. Bulbous stock also sold fairly well, as did gardenias. The plant market may be summed up in much the same way as the cut flower market. There was quite a break in prices towards the wind-up and large lots were thrown on the market at half price and less. The ideal weather made things very favorable for the street men. All in all, the aggregate returns in plants and cut flowers were probably larger than last year, notwithstanding the unsettled industrial conditions locally for some months past.

SOUTHERN WILD SMILAX

Fully Guaranteed.

LOUISVILLE FLORAL CO.

Louisville, Ala.

Buyer's Directory and Ready Reference Guide

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, 5000 strong field stock, 18 to 24 live tops at 4c., also 50,000 privet, 20 to 30, 18 to 24 and 15 to 18 in. Write Benj. Connell, Merchantville, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

Elmer D. Smith, Adrian, Mich.
Asparagus Sprengerii.

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Asparagus plumosus from 2 1/4 inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

ASPARAGUS FOR GARDEN

Asparagus Roots and small Fruits. XX very fine, 2 years' asparagus, \$1.25 per 100; \$5.00 per 1,000. X very strong, \$1.00 per 100; \$4.00 per 1,000; No. 1, 2 year, 75c. per 100; \$3.00 per 1,000. For prices of Strawberries and other small fruit, send for circular. Chas. Black, Hightstown, N. J.

50,000 extra strong 2 and 3-yr. asparagus roots, mostly Palmetto, 2-yr., extra heavy, \$1.00 per 100, \$4.00 per 1000; 3-yr., very fine, \$1.25 per 100, \$5.00 per 1000, packed free. Guaranteed to please. Chas. Black, Hightstown, N. J.

ASTER SEED

Jas. Vick's Sons, Rochester, N. Y.
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AUTOMATIC SPRAYING MACHINE

J. G. Mastin & Co., Chicago, Ill.
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AZALEAS

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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
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BAY TREES.

2000 Bay and Box Trees in all sizes. Pyramid and Standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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K. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Edward Wallis, Atco, N. J.

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2000 2 in. coleus, 9 best bedders, \$15.00 per 1000; 2000 3 in., same varieties, \$20.00 per 1000. Cash, please. C. L. Van Meter, Monticello, Ia.

BEGONIAS

Robert Craig Co., Philadelphia, Pa.
Lorraine, Young Stock.
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BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Joseph Breck & Sons, 47-54 N. Market St., Boston.

Dutch and French Bulbs.
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CANNAS

F. R. Pierson Co.,
Tarrytown-on-Hudson, N. Y.
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Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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Cottage Gardens Co., Queens, L. I., New York.

Alma Ward and Mrs. C. W. Ward.
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Carnation Dorothy Gordon.
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I. M. Rayner, Greenport, L. I., N. Y.
Rooted Cuttings.
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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CENTAUREAS

Centauras, Emperor William, double blue, double white, 25c. per 100; \$2.00 per 1000. W. E. Trimble Greenhouse Co., Princeton, Ill.

CHRYSANTHEMUMS

C. H. Totty, Madison, N. J.
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J. D. Thompson Carnation Co., Joliet, Ill.
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I. M. Rayner, Greenport, L. I., N. Y.
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Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Gloria, a large early Enchantress pink mum; Pres. Taft, a huge glittering white midseason; both have stems and foliage unsurpassed. Rooted cuttings now ready, \$1.00 per 25 prepaid; \$3.75 per 100. Gloria, 2 1/4 in., \$5.00 per 100. Chas. Frost, Kenilworth, N. J.

Chrysanthemums R. C. Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria \$4.00 per 100; \$35.00 per 1000. Virginia Poehlmann, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Herrington's book on the Chrysanthemum mailed to your address for 50c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CINERARIAS

300 Cinerarias, 3 1/2 in., budded, nice plants, ready for 5 in.; nice mixture, 8c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

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CLEMATIS

Clematis paniculata, in 1½ in. pots, strong, well rooted plants, fine for mailing or lining out. 2½c. each; \$20.00 per 1,000; \$18.00 per 1,000 in 5,000 lot. Cash. H. G. Norton, Perry, Lake Co., Ohio.

Clematis paniculata, splendid stock and plants. \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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Thomas Roland, Nahant, Mass.
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Cyclamen splendens giganteum hybrids. The strain which I offer is unsurpassable. August seedlings twice transplanted from flats, in five colors, including fringed varieties, \$3.00 per 100. \$25.00 per 1000; from 2½-in. pots, \$5.00 per 100, \$45.00 per 1000. Paul Mader, East Stroudsburg, Pa.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Acto, N. J.
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J. L. Moore, Northboro, Mass.
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Dahlia Bulbs, all varieties listed below 5c. each. 50c. per doz., \$1 per 100.

Cactus Varieties: Bertha Mawley, Cannels Gem, Capstan, Charles Woodbridge, Dr. Jameson, Earle of Pembroke, Gabriel, General Butler, Galliard, Island Queen, J. P. Clark, John Roche, Kriemhilde, Lady Edd Talbot, Mary Servace, Matchless, Mrs. Bennett, Mrs. Chas. Turner, Montefiore, Mr. Moore, Queen Wilhelmina, St. Catherine, Starry Crown, Uncle Tom, Volker, Wilhelm Miller.

Show Varieties: Arabella, A. D. Livoni, Amazon, American Flag, Bird of Passage, Dawn of Day, Dr. Kirkland, Golden Age, Hannah, Queen Victoria, Modesty, Mary Belle, Mrs. Cleveland, Orator, Penelope, Robert Bromfield, Startler.

Decorative Varieties: Atlanta, Beauty of Brentwood, Black Prince, Frank Bassett, Lucile, Maid of Kent, Mrs. Hawkins, Nymphaea, Progress, Sylvia, William Agnew.

Above stock is field-grown, sound and true to name. Catalog free to all. C. Peirce, Dighton, Mass.

Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yette, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, Kriemhilde, Wm. Agnew, Zulu and other varieties, strong divisions, 5 cts. each; also Gladiolus, Groff's Hyb. seedlings, \$1.00 per hundred. E. R. Macomber, 20 Leonard St., Woodford, Maine.

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

400 Marguerite Daisies, large white, large branching plants, from 3 in., ready for 5 in. or bench. Just right for Memorial Day; well budded, 5c. Cash. W. J. Schoonman, Danielson, Conn.

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass. Nephrolepis Magnifica.
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Frank Oechslein, 4911 Quincy Street, Chicago.
Ferns for Dishes.

A. N. Pierson, Cromwell, Conn.
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Robert Craig Co., Philadelphia, Pa.
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1000 Boston Ferns, 2 in. pots, 3c.; \$25.00 for the lot, or will exchange for Nutt geraniums, white Perfection, Enchantress and Winsor carnation. E. A. Chipman, Woonsocket, R. I.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill. Evergreen Brand Fertilizer.
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Wm. Elliott & Sons, New York, N. Y. Clay's Fertilizer.

FEVERFEW

Feverfew R. C. 75c 100 prepaid. Chas. Frost, Kenilworth, N. J.

FLORISTS' ENCYCLOPEDIA FREE

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FLORISTS' LETTERS.

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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100, 3-in. \$4.00 per 100. Mme. Sallerol out of 2 inch, fine plants, \$2.00 per 100. Verbenas out of 2 inch, separate colors or mixed, \$2.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbier, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

Rose Geraniums 2½ in. \$2.50 per 100. Chas. Frost, Kenilworth, N. J.

GLADIOLI

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Arthur Cowee, Berlin, N. Y.
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E. S. Miller, Wading River, L. I., N. Y.
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Gladioli. Groff's Hybrids. White light and yellow mixture. Pink and shades of pink mixture. All first sized bulbs, at \$1 per 100. \$7 per 1000. C. Peirce, Dighton, Mass.

Gladiolus Alice Carey, the best white in cultivation. No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

Gladiolus seed from choice mixture. \$2.00 per lb. C. V. Woodruff, Orange, Conn.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladioli Mrs. Francis King, \$3.00 per 1000; also other choice sorts cheap. Cash. P. O. Coblentz, New Madison, Ohio.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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In writing to Advertisers kindly mention Horticulture

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS.

Hydrangea Arboreasens grandiflora alba. The true large flowering forcing variety, warranted true 2½-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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IRIS

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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IRON VASES

Walbridge & Co., Buffalo, N. Y.
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IVIES

Ivy, English, pot grown plants, 4 in. pots, 3 ft. long, 3 to 5 branches, \$12.00 and \$15.00 per 100. A. L. Miller, Jamaica, opp. Schenck Ave., Brooklyn, N. Y.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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NICO-FUME

Kentucky Tobacco Product Co.,
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NIKOTEN APHIS PUNK

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Bobbink & Atkins, Rutherford, N. J.
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C. R. Burr & Co., Manchester, Conn.
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Dingee & Conard Co., West Grove, Pa.
Ornamental Shrubs.
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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

OLD ENGLISH GLAZING PUTTY

Hammond's Paint & Slug Shot Works,
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Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.
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Orchid Peat (Osmunda Fibre).
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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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A. N. Pierson, Cromwell, Conn.
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PANSY PLANTS.

Pansy plants, from fall sown seed, 50c 1000 prepaid; \$3.00 1,000 by express. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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PELARGONIUMS

200 Pelargoniums, 4 in., large plants, mostly budded, good variety, 10c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
Double Petunias.
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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

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Seele's Tieless Plant Stakes and Trel-

PLANT TUBS

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German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primula chinensis, 9 colors mixed, 2 inch, 2c.; Obconica Rousderfer, Lattmanns Hybrids, 10 colors mixed, 2 inch, 2c.; Obconica gigantea, mixed, 2 inch, 2½c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

PRINTING

Special Printing for Florists. Best work, lowest prices. Samples for stamp. O. Fink, Pottstown, Pa.

PRIVET

West Jersey Nursery Co., Bridgeton, N. J.
California Privet.

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California Privet, 10 to 15 inches, branched, \$10.00 per 1000; larger sizes at low rates. E. Y. Teas, Centerville, Ind.

RED CHRISTMAS FLOWER NOVELTY

L. I. Neff, Bellevue, Pa.

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The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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SILKALINE

John C. Meyer & Co., Boston, Mass.

SMILAX

Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Bailor, Bloomington, Ill.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
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SPHAGNUM MOSS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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Sphagnum moss, best quality, 80c. per bale; 10 bales, \$7.00. Cash with order. Write for prices on larger quantities. L. Amundson & Son, City Point, Wis.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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STEVIA

Stevia rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

Strawberry Plants and Asparagus Roots. All the leading varieties, and at prices that are right. Catalog free. C. Peirce, Dighton, Mass.

In writing to Advertisers kindly mention Horticulture

STROKUM TREE BINDING

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THYME

Thymus citridorus aureus. Golden
Leaved, Lemon Scented Thyme. Per doz.
80c., per 100 \$4.00. Wild Plant Improve-
ment Gardens, Santa Ana, Cal.

TRITOMAS

Tritoma Pfitzerii, red hot poker plant,
\$6.00 per 100; \$50.00 per 1000. Thomas J.
Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
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CABBAGE—Jersey, Chas. Wakefield,
Early Spring and Succession, \$1.00 per
1000; \$8.50 per 10,000. \$3.00 transplanted.

TOMATOES—Comet, Livingston's Beauty
and Dwarf Champion (80c. per 100, trans-
planted), 2 in., \$2.00. Fine stock.

LETTUCE—Big Boston, Boston Market
and Grand Rapids, \$1.00 per 1000; trans-
planted plants, \$2.50.

PARSLEY—25c. per 100; \$1.25 per 1000.
ASPARAGUS roots, Conover's Colossal
and Palmetto, very fine, \$1.00 per 100;
\$4.00 per 1000.

Cash with order. W. E. Trimble Green-
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
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VERBENA

Lemon verbena rooted cuttings, 75c per
100 prepaid. Chas. Frost, Kenilworth, N. J.

VINCAS

Vinca variegata rooted cuttings, 75c per
100, prepaid. Cash. Chas. Frost, Kenil-
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VIOLETS.

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**PRINCESS OF WALES, LUXONNE,
AND CALIFORNIA.**

Rooted runners, clean and free from
disease. Cash with order. \$1.00 per 100;
\$8.00 per 1,000. Special price for large
quantity. Jacques Gillmet, Moylan, Dele-
ware Co., Pa.

VIOLET THREAD

John C. Meyer & Co., Lowell, Mass.
Green Silkaline.

WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00
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Wirework. Write for our catalogue.
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Wirework—Compare our prices with
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V. Lemoine et Fils, Nancy, France.—
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Wholesale Price List of Small Fruits,
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H. W. Koerner, Milwaukee, Wis.—
Folder and wholesale prices of Dah-
lias, Gladioli, etc.

Wilfrid Wheeler, Concord, Mass.—
Catalogue of Hardy Fruit Plants, Trees
and Vines—a pocket list.

A. J. Bryan, Washington, N. J.—
Wholesale Price List of Pot-Grown
Plants—truck and ornamental.

Geo. H. Walker, North Dighton,
Mass.—1910 Catalog of Dahlias. A
"pocket guide" of sterling value.

Louis Van Houtte Pere, Gand.—
Sheet of portraits of new varieties and
types of Tuberous Rooted Begonias.

Andorra Nurseries, Chestnut Hill,
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I. N. Kramer & Son, Cedar Rapids,
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Mrs. Bessie M. Rupert, Portland, Me.
—Illustrated Price List of Dahlias. An
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tractive cover illustration.

T. C. Thurlow's Sons, West New-
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Cherry Hill Nursery Stock for Spring
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David Herbert & Son, Alco, N. J.—
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Greater N. Y.	525	Rice, M. & Co.	506				
Florists' Asso.	528	Rickards Bros.	523				
Grey, T. J. Co.	523	Robinson & Co.	526				
Gude, Bros. Co.	524	Rock, Wm. L.	524				
Guttman, Alex. J.	528	Roehrs, Julius Co.	519				
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Hail Association.	539	Rolker, A. & Sons.	538				
Hammond Paint	536	Rosens	525				
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Hartmann, Hjal-	523	ter Co.	523				
mar & Co.	523	Schultz, Jacob.	524				
Hauswirth	524	Scott, John	507				
Heacock, Jos.	520-521	Sharp, Partridge	539				
Co.	520-521	Co.	539				
Herbert	508	Sheridan, W. F.	528				
Hews, A. H. &	538	Siggers & Siggers.	538				
Co.	538	Skidelsky & Ir-	520				
Hillinger Bros.	538	win	520				
Hill, D.	517	Smith, E. D. &	507				
Hill, The E. G.	520	Co.	507				
Co.	520	Smith, W. & T.	508				
Hitchings & Co.	540	Co.	508				
Hoerber Bros.	526	Smyth, Wm. J.	524				
Hoffman	524	Standard Plate	539				
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WANTS, FOR SALE, ETC.

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Competent vegetable grower on large private place, either married or single. Good wages and a permanent place for good man.

Apply to

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HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Three experienced rose growers to take charge of section in large rose growing plant near Boston. Address with copy of references, to E. B. Care HORTICULTURE.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED—Andrew Morrison, late with Curwen Hoddert, Rydal, Pa., and E. P. Wright, Duarte, Cal., is open for engagement in a good private place. Address him, care HORTICULTURE, 9th and Market Sts., Phila.

GARDENER—Landscape and floriculturist, has talent and fondness for his profession; competent to take charge of large estate; Swiss; 37 years of age; married; two children; wages \$70 and house. S. A. Leuba, 47 West 129th St., N. Y. City.

FOR SALE

An Opportunity

I want a purchaser for Greenhouses in Dorchester, Mass., in going condition. About 40,000 sq. ft. in good condition. Grow Roses, Carnations. Decorative. Easter and Bedding Plants. Price very low and terms easy for quick purchase.

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Greenhouse Plant, cost \$8,000. 1908. Price, \$5,000, cash. Owner dead. Mr. Hodge.

Greenhouse Plant, 70 acres, \$3,200. \$2,000 worth wood and timber, good buildings. Liberal terms. Mr. Hodge, 8 Grand View Ave., Somerville, Mass.

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Cheap land for a bulb grower. Ideal place for man wishing to retire. A. G. Cobb, Anna Maria, Fla.

Flower Market Reports.

(Continued from page 529)

Easter week, 1910, was **BUFFALO** one of the busiest in the history of the florist trade of Buffalo. The finest of weather prevailed, with the thermometer registering 50 to 65. Business practically began on Friday previous to Palm Sunday and continued until Easter Sunday noon. The plant trade was excellent and there was no shortage of anything except hydrangeas. The lily plant was the leader, and there were enough to fill all orders. Many azaleas, pans of tulips, daffodils, deutzia, Baby Rambler roses, rhododendrons, primulas and other plants too numerous to mention, were in bloom for the season. Primulas were had by the thousand, but managed to move with the rest. In the cut flower line there is much to be said. No scarcity prevailed in any line except on sweet peas, which were the heaviest in demand of any flower during the week. They were the finest yet received in this market and not enough could be secured. Carnations came in by the wagon-load and good quality considering the oncome of the warm weather, but high prices were out of the question. Some varieties suffered somewhat from the warm weather, and with not an order remaining unfilled, a good portion were left with the wholesaler to carry along. Violets were the corsage flower and the demand was heavier than in previous years. A good portion of those received on Friday showed signs of "held too long," and were of the shaky kind. An enormous supply of roses was had, especially White Killarney, and the warm weather brought them in in a much-opened condition. Pink roses were not so plentiful and sold to better advantage. Richmond was in demand, but short in supply. Lily of the valley shared well in the demand and cleaned up satisfactorily. Beauties had very little call and remained with the wholesaler. Cut lilies were in enormous supply and a large quantity still remains in the wholesalers' hands. Shipping trade was good, and all are rejoicing over the best Easter trade in our history.

The week following **CHICAGO** Easter opened up quietly. Few flowers comparatively were shipped in for Monday. As the market was pretty well cleaned up Sunday all sold readily, but Tuesday saw the ice boxes and counters rather too well supplied by the growers who had had time to get their stock in. The difference between well-grown flowers and poorly grown ones never shows up more decidedly than in the first warm days of the spring. There are quantities of all kinds of stock, but the stock that sells well is the stock that is right. Green stuff is not too plentiful and prices are holding up well. Southern Asparagus Sprengeri is coming in rather faster than it can be used in some cases.

Had you any trouble with the **MARCH WIND** coming through crack or crevice in the Greenhouse?

TWEMLOW'S

Old English

SEMI-LIQUID



Glazing Putty

and ELASTIC

Will stop the trouble. Put up in 16 pound cans; 50 and 80 pound buckets.

Hammond's Greenhouse White,

A SUPERB PAINT, with twenty years' record to back it up, for wear and tear and looks on either wood or iron Greenhouses. It stays where you put it.

In 5, 10, 15, 20, 25 or 30 Gallons.

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, New York

A week of bright summer weather brought immense quantities of flowers into the market for Easter, and it also played havoc with the violets. These with callas and lilies were the only flowers that were short in this market. Local outdoor daffodils made their appearance and indoor blooms suffered accordingly. The only varieties maintaining near a living price were the Golden Spur and Empress. All other bulbous stock was in good demand. There were enough roses and carnations for all orders. A good many Beauties and Killarneys came into the market half blown, and consequently sold for less than the quoted price. It looked as though sweet peas would be a drug on the market, one wholesaler alone having nearly 10,000 on hand at 5.30 Saturday evening, but owing to the scarcity of violets the public turned to sweet peas, which helped clean up on this flower. Closing time Easter Sunday noon found the wholesaler pretty well cleaned out, and reports from different sources show that the volume of business done for Easter was equal to that of last year.

Ideal spring weather prevailing for the last ten days helped very materially to increase sales for Easter to something like 30 per cent above last year's. Prices obtained were full value for goods offered and were willingly paid, but there was no opportunity to boost rates up to the fancy line. Notwithstanding an enormous out-of-town demand the wholesale market was overloaded. Some growers will persist in holding back too large a quantity of bulbous stock and the warm weather greatly increased the supply of carnations and roses. All these factors combined brought about a comparatively low wholesale price. All in all Easter was very satisfactory and

all the stores cleaned up well. Beautiful combinations in baskets could be seen, especially at Breitmeyer's, where fancy caladiums and Japan maples in baskets with Rambler roses, white lilac or wistaria were arranged with fine effect.

Easter business in **ST. LOUIS** was fully up to expectations of all in the trade, and the weather was most favorable to the buyers. From what we can learn, all did a much better business in everything than on any Easter for years. Extra fine blooming plants had the call over cut flowers and especially so with the uptown florists. With the downtown dealers cut flowers seemed to have the lead. Prices were good on everything. Our wholesalers had everything that the season affords. Lilies, the prevailing flowers for Easter, had a big call and everybody had plenty of them as the warm weather brought them out almost too quickly, while a few weeks ago every grower feared he would be late. Sweet peas sold better than ever. Violets were scarce and as usual had a large demand. All varieties in roses came in heavily, also carnations. Bulb stock, as usual at this time of the year, almost overloaded the market; still the market soon cleaned up on anything that looked good. If reports from those in the trade go for

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The Home Correspondence School

Dept. H, Springfield, Mass.

anything, this Easter must go down in history as the best of all.

Despite the fact that Easter came as early this year as it can come, the weather was as warm as it generally is in May. There was an abundance of all kinds of greenhouse flowers except violets, which were almost entirely out of commission and what few were shown were very poor. There were quantities of outside jonquils, but they were of poor quality, and the long-stemmed house-grown flowers led in popular demand. There was a predominance of yellow this Easter, among the most attractive of the "yellows" being the hardy azaleas. They were of fine quality. The consensus of opinion seemed to be that the Easter lily crop was the scarcest in years, and the greater quantity of these shown were not up to the standard of quality of former years. Fruit blossom was much missed for cheap decorations. There was a big demand for white roses for altar decoration.

Stop the Caterpillars with Strokum; Bind It Around Your Trees

Do it now, don't wait until they have crawled up and spun their webs in the trees, and hatched out by the thousands. It is easier to prevent their going up than it is to burn them out after they are up.

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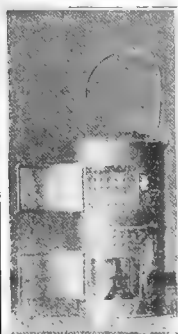
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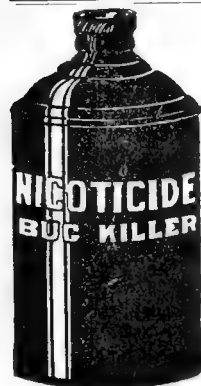
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50 lbs., 1.75 200 lbs., 14.00 2000 lbs., 52.50

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Hose "RIVERTON"
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The HOSE for the FLORIST
1/4-inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
2 Reels, 1000 ft., 14 c.
3/4-inch, 13 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished.

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Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crates	\$4.88	144 6 in. pots in crates	\$3.16
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
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800 3 1/2 " " "	5.80	48 9 in. pots in crates	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
450 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.78	12 14 " " "	4.80
		6 16 " " "	4.50

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HORTICULTURE

Vol. XI.

APRIL 9, 1910

No. 15



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8c.

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3 ft. 9c.

Viburnum plicatum, 2 to 3 ft. 12c.

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Anemone canadensis, syn. A. Pennsylvanica



Anemones or windflowers are with a few exceptions harbingers of spring. Those of us who have seen beautiful May days in Great Britain or the central part of the European continent, especially in Germany will vividly recollect the myriads of half-drooping blossoms of *Anemone nemorosa* abounding on field and meadow. Reminiscences of the vernal aspect of the woodland and forests abroad always revive within my memory the graceful picture of swaying masses of the snowy white flowers of *Anemone sylvestris* responding to a gentle breeze. Like the song of the lark, high up in midair and the jubilant warble of the wooing starling on the tree-top the European windflowers are part of the spring. From the view point of the florists I don't hesitate to say that they neither possess the showiness of the summer and fall-flowering Japanese varieties of our gardens, nor could they compare with the dazzling hues of the tuberous rooted *Anemone fulgens* of Greece and other parts along the Mediterranean sea coast. The chief attributes of the wild Anemones of the northern temperate zones consist in a certain modest appearance combined with that gracefulness in form invested both in their foliage and flowers which not only impresses but also endears. The same characteristics may be fittingly ascribed to our native North American wind-flower *Anemone canadensis*. I have never been fortunate enough to see it in a wild state growing in equal profusion as we often met the first mentioned European species abroad. In this case I imagine the total effect must be unquestionably more beautiful for in foliage and the free carriage of flowers *Anemone canadensis* is superior to both the *nemorosa* and *sylvestris* varieties.

Our native windflower perhaps merits some space on the informal herbaceous border. Furthermore it is the ideal thing to beautify the ground along the outskirts of woodlands. The illustration herewith shows what a small amount of cultivation is apt to make out of it. For the Northern States a sunny exposure seems best, still the instances are by no means rare where we can see

plantation do very well in a half-shady position. Around New York and farther south I believe the rather low and moist half-shady location may be preferable.

Anemone canadensis should be always planted in masses in a thoroughly natural way. The wild flower garden and especially the thinly wooded park sections offer excellent opportunities for effective employment. Plantations once established as a rule require a very moderate amount of care; in fact, it is better if they can be left undisturbed as much as possible. Our native wind-flower is in the habit of spreading out its roots under ground, rambling and covering more space each season. Foliage and flowers year after year aid in enhancing the vernal beauty of our natural wood and park landscapes to an extent as to justify my endeavor to arouse increased interest for this modest, but nevertheless handsome native flowering herb. Landscape gardeners and park superintendents should not lose sight of it.

Richard Rothe

Northeast Harbor, Maine.

British Horticulture

INTENSIVE CULTURE EXHIBITION

Dean Swift's eulogy on the man who makes two ears of corn "grow upon the spot of ground where only one grew before" can be fittingly bestowed on the new race of intensive cultivators in Britain who are marvelously increasing the fertility of "Mother Earth." The men (and women, too) who are getting from the land three crops where only one was obtained before deserve the highest praise. The new system is yet in its infancy in this country, but some tangible evidence of the progress which has already been achieved was afforded at a special show held by the Royal Horticultural Society on March 23rd. Many of the leading growers exhibited, furnishing a very useful object lesson of the adaptation of French methods to British requirements.

There was a time when France had practically a monopoly of the market for early salads and vegetables, which usually realized a satisfactory price, coming as they did when the supplies were not too plentiful. Some five years ago it occurred to Mr. McKay, an alert member of a Covent Garden firm of seedsmen, that a considerable portion of this trade might be diverted to English growers. A voyage of discovery was organized amongst the Evesham growers, who from an inspection of the gardens around Paris were convinced that the French system of hot-beds and cloches might be profitably transferred to English soil. The new industry has since been established in various parts of the country. In order to demonstrate what can be done under this system the Royal Botanic Society has undertaken to conduct a series of trials during the summer at their gardens in Regent's Park.

W. H. Adsett.

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"Befuddling nature"

Sensation, for the time being, switches from waning Burbank to a new luminary in the wizard firmament and now we have the newspapers from the Pacific to the Atlantic lauding the reputed wondrous accomplishment in "cross-grafting" by Hugo Lilienthal who claims to have thus given to the world the inestimable treasure of a climbing rose bearing edible fruit. Mr. Lilienthal, it should be said, hails from Burbankland where, as the Boston Advertiser naively remarks, "horticulturists are habitually dissatisfied with nature and seek to befuddle her!" Imagination fails us as we hold our breath and wait for the news of the next surprise from that land of marvels.

To develop a bigger market

The canning industry of the United States, in annual meeting assembled, at Atlantic City, a few weeks ago, assessed themselves for newspaper advertising at the rate of one cent per case of output, which will net their Association the sum of about a quarter million dollars to be used for purposes of publicity in the year 1910. Instead of lamenting about their business being overdone and advising one another against the folly of putting up more factories they get to work in a practical way at the other end to enlarge their market. There is a lesson in this for the horticulturist. We hear florists bewailing the overdoing of greenhouse building and nurserymen gravely recommending the burning up of the surplus stock as preferable to unloading at cut prices. Why not try the canners' remedy when congestion threatens? Two hundred and fifty thousand dollars is, of course, away beyond the possibilities for the florist, but if the cohesion and co-operative spirit so much to be desired existed among the trade which the S. A. F. represents, a start on the work of broadening and developing a bigger market and building up a steadier demand for our products could be made and we believe the results would fully justify the investment.

A radical proposition

The most significant act of the S. A. F. Executive Board at its annual session, as indicated in the report of its deliberations by Secretary Dorner in our last week's issue, is the approval of a proposition to decide the date of each annual convention of the S. A. F. by vote of the Society at the previous meeting. This movement contemplating, as it would appear, the practical abandonment of the time-honored annual mid-August convention, is all the more surprising when we consider the strength of the older and presumably more conservative element in the personnel of the present Executive Board. It would be interesting to learn something of the reasons which influenced the Board to favor a departure so radical. A very large section of the Society's membership will be, we believe, like the man from Missouri when it comes to deciding a proposition so revolutionary in character. In any event the purpose

of this amendment should be clearly indicated by those who have favored the contemplated innovation. As it stands now its purport is somewhat obscure and is liable to be misunderstood.

**A remarkable
season**

With forsythias, magnolias, *Lonicera fragrantissima*, *Rhododendron Dahuricum*, daffodils and hyacinths in full bloom, scillas, *chionodoxas*, crocuses

and *Daphne mezereum* already finished and lilacs showing their flower-spikes April 7, Boston in common with the rest of the country is certainly going through an experience the equal of which the oldest inhabitant cannot recall and the youngest inhabitant is not likely to see duplicated before the time when he, in turn, shall have become the oldest inhabitant. Nobody can say what havoc the weather man or the Halley comet may have in store for us but it is frightful to think of the possibilities in destruction of fruit and verdure should things turn, as they are apt to do in a precocious spring, and make a normal average temperature for the season; but we shall live in hope and it can be said that outside of the breaking by the great ice storm in early winter, garden material generally has come through the winter practically unscathed. Not in many years have broad-leaved evergreens especially, looked so well as they do this spring.

Trans-Atlantic Notes

A HYBRID REHMANNIA BRISCOEI

At a meeting of the Scientific Committee of the Royal Horticultural Society on March 18, H. J. Veitch showed a hybrid between *Rehmannia angulata* female and *R. Henryi* male, and the parents were also shown. The hybrid showed in the chief points that it was intermediate between the two species, the growth being dwarfer than that of *R. angulata*, and in having an erect inflorescence instead of condensed, as in that of the pollen parent.

The blooms are in tint a soft pink. The leaves form a rosette and resemble those of *R. Henryi* in having dark colored veins, but they are more hairy than *R. angulata*. A botanical certificate was unanimously recommended.

NOVELTIES EXHIBITED

At the meeting of the Royal Horticultural Society on March 22 the hall was crowded with exhibits among them many very brilliant displays. The visitors were very numerous also and included many purchasers—and perhaps that is the main thing thought of nowa-

days, for a large amount of trade is done by the keener dealers. It is, in fact, a bazaar, pure and simple. An award of merit was given to Sir Trevor Lawrence for *Lælio-cattleya Trimyra*, an orange colored flower, deeper orange in throat. Sir J. Colman received an award of merit for a plant of *Odontoglossum Thompsonianum* Gattton Park Hybrid (*O. Edwardii* × *O. crispum* Mary Colman), flowers white with a tint of purple and edging of white. A similar award was given to F. Sander & Sons for *Houlettia Sanderi*. Sir T. Lawrence showed a good decorative stove plant in *Calathea crocata*, a low growing species having orange-scarlet flowers arranged on spikes slightly taller than the leaves. From the same exhibitor came a showy *Anthurium conchiflorum* (*A. Scherzerianum* × *A. Chamberlainii*). The spathe is almost circular, and cupped, hence its varietal name. Messrs. Barr & Sons were large exhibitors of narcissus, his greatest novelties being *N. incomparabilis* Fire Dome which has a striking red or orange corona one inch in diameter and sulphur colored perianth. Seraphin, another novelty, has a lemon yellow corona 1½ inch in breadth, and 3 inches in depth, and perianth white; a noble flower. *N. incomparabilis* Argent shows on the corona a kind of collection of perianth segments with its divisions. Lack of space forbids mention in detail of other fine exhibits.

Fredrick Moore

Primula Reinii

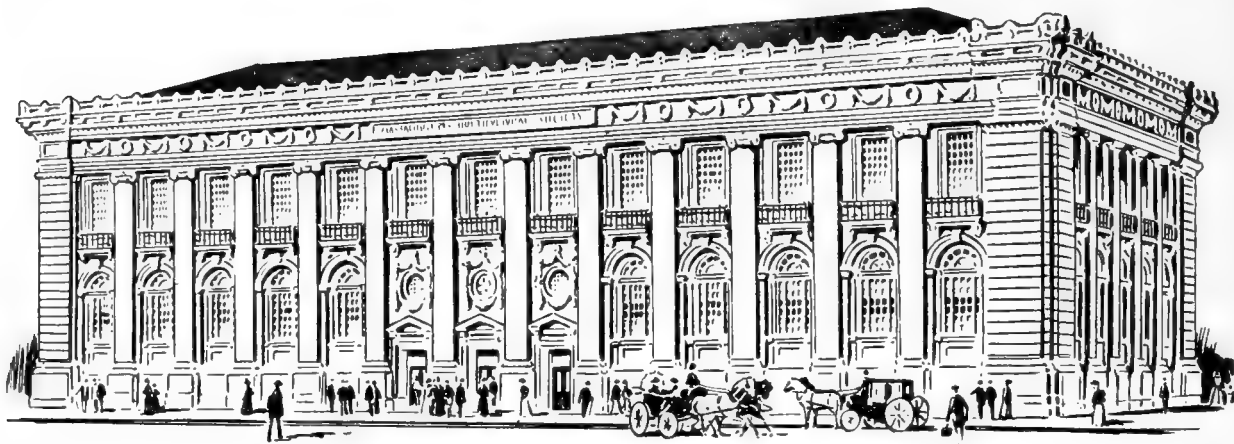


The pretty little primula shown in the accompanying illustration is a native of Japan, where it grows in Mt. Fuji and is said to be perfectly hardy. The flowers are pale pink in color. We are indebted to the Yokohama Nursery Co. for the photograph.

Preserve and file your weekly copies of HORTICULTURE. The contents are always selected with attention to their permanent value. They will be found useful for reference, tomorrow, a year from now or still later.

MASSACHUSETTS HORTICULTURAL SOCIETY

Schedule of the Exhibition of Orchids and Other Plants to Be Held May 26, 27, 28, 29, and 30, 1910



HORTICULTURAL HALL, BOSTON, MASS.
Where Exhibition will be Held.

Intending Exhibitors must file their entries with the Secretary of the Society not later than April 30, 1910.

No. 1.—Display of Orchid plants in bloom, arranged for effect, embracing at least 20 Orchid genera and bi-generic hybrids, and unlimited as to number of species, varieties and hybrids, to fill 400 square feet of space.

In the arrangement stove and greenhouse foliage plants may be used, and the general effect produced (with or without such plants) will be considered by the judges in making awards as per the following scale of points:

Variety of Orchids.....	30 points
Quality	35 "
Arrangement and Decorative Effect	25 "
Novelty of Orchids.....	10 "

Cut blooms of rare sorts not exceeding in number five per cent. of the total number of varieties of Orchid plants in the exhibit will be admissible.

First Prize, Gold Medal and \$1,000.

Second Prize, Silver Medal and \$500.

Third Prize, Bronze Medal and \$250.

No. 2.—Display of Orchid plants in bloom, arranged for effect, embracing at least 10 Orchid genera and bi-generic hybrids, and unlimited as to number of species, varieties and hybrids, to fill 150 square feet of space.

In the arrangement stove and greenhouse foliage plants may be used, and the general effect produced (with or without such plants) will be considered by the judges in making awards as per following scale of points:

Variety of Orchids.....	30 points
Quality	35 "
Arrangement and Decorative Effect	25 "
Novelty of Orchids.....	10 "

Cut blooms of rare sorts not exceeding in number five per cent. of the total number of varieties of Orchid plants in the exhibit will be admissible.

Commercial growers excluded from competition.

First Prize, Gold Medal and \$200.

Second Prize, Silver Medal and \$100.

Third Prize, Bronze Medal and \$50.

No. 3.—Best recently introduced Orchid plant not previously exhibited in the United States. Gold Medal.

No. 4.—Best new seedling Orchid plant not previously exhibited in the United States. Gold Medal.

Note.—The same specimens cannot be entered in both Classes 3 and 4. Class 3 is intended for Orchids introduced from their native habitats.

No. 5.—Largest and best display of cut Orchid blooms arranged with ferns or other foliage. Variety and decorative effect will be considered.

First Prize, Gold Medal and \$100.

Second Prize, Silver Medal and \$50.

Third Prize, Bronze Medal and \$25.

No. 6.—Best collection of cut Orchids of new varieties not before exhibited in the United States. Gold Medal.

Ferns or other foliage may be used in the arrangement.

No. 7.—Group of flowering and foliage stove or greenhouse plants arranged for effect.

First Prize, Gold Medal and \$100.

Second Prize, Silver Medal and \$50.

No. 8.—Best species of stove or greenhouse plant in bloom, not previously exhibited in the United States. Gold Medal.

No. 9.—Best species of stove or greenhouse foliage plant, exclusive of ferns, not previously exhibited in the United States. Gold Medal.

No. 10.—Best species of coniferous plant, not yet disseminated, likely to be hardy in Massachusetts. Gold Medal.

No. 11.—Best species of shrub or climber in bloom, likely to be hardy in Massachusetts, not previously exhibited in the United States. Gold Medal.

No. 12.—Best species of hardy herbaceous plant in bloom, likely to be hardy in Massachusetts, not previously exhibited in the United States. Gold Medal.

ORCHID PLANTS.

No. 13.—Group of botanical Orchids, not less than 25 plants and 15 genera.

First Prize, Silver Medal and \$25.

Second Prize, Bronze Medal and \$15.

No. 14.—Six Orchid plants, distinct genera.

First Prize, Silver Medal and \$50.

Second Prize, Bronze Medal and \$25.

No. 15.—Three Orchid plants, distinct genera.

First Prize, Silver Medal and \$25.

Second Prize, Bronze Medal and \$15.

No. 16.—Three Cattleyas, distinct species.

First Prize, Silver Medal and \$25.

Second Prize, Bronze Medal and \$15.

No. 17.—Specimen Cattleya, any species.

First Prize, Silver Medal.

Second Prize, Bronze Medal.

No. 18.—Specimen Cymbidium.

First Prize, Silver Medal.

Second Prize, Bronze Medal.

No. 19.—Three Cypripediums, distinct species.

First Prize, Silver Medal and \$15.

Second Prize, Bronze Medal and \$10.

No. 20.—Specimen Cypripedium.

First Prize, Silver Medal.

Second Prize, Bronze Medal.

No. 21.—Specimen Dendrobium.

First Prize, Silver Medal.

Second Prize, Bronze Medal.

No. 22.—Three Laelias, distinct species.

First Prize, Silver Medal and \$25.

Second Prize, Bronze Medal and \$15.

No. 23.—Specimen Laelia, any species.

First Prize, Silver Medal.

Second Prize, Bronze Medal.

No. 24.—Three Laelio-cattleyas, or Brasso-cattleyas, distinct.

First Prize, Silver Medal and \$25.

Second Prize, Bronze Medal and \$15.

No. 25.—Six Miltonias.

First Prize, Silver Medal and \$25.

Second Prize, Bronze Medal and \$15.

News of the Clubs and Societies

No. 26.—Specimen *Miltonia*.
First Prize, Silver Medal.
Second Prize, Bronze Medal.
No. 27.—Six *Odontoglossums*, not less than three species.
First Prize, Silver Medal and \$25.
Second Prize, Bronze Medal and \$15.
No. 28.—Specimen *Odontoglossum*
First Prize, Silver Medal
Second Prize, Bronze Medal.
No. 29.—Specimen *Oncidium*.
First Prize, Silver Medal.
Second Prize, Bronze Medal.
No. 30.—Specimen *Saccolabium* or *Aerides*.

First Prize, Silver Medal.
Second Prize, Bronze Medal.
No. 31.—Specimen *Sobralia*.
First Prize, Silver Medal.
Second Prize, Bronze Medal.
No. 32.—Specimen *Vanda*.
First Prize, Silver Medal.
Second Prize, Bronze Medal.
No. 33.—Three Orchids, bi-generic hybrids other than *Laelio-cattleya* or *Brasso-cattleya*.

First Prize, Silver Medal and \$25.
Second Prize, Bronze Medal and \$15.
No. 34.—Specimen Orchid, bi-generic hybrid other than *Laelio-cattleya* or *Brasso-cattleya*.

First Prize, Silver Medal.
Second Prize, Bronze Medal.
No. 35.—Three Orchids, distinct genera, not otherwise provided for in the schedule.

First Prize, Silver Medal and \$25.
Second Prize, Bronze Medal and \$15.
No. 36.—Specimen Orchid, any genus not otherwise provided for in the schedule.

First Prize, Silver Medal.
Second Prize, Bronze Medal.
Best specimen Orchid plant in the exhibition, Gold Medal.

A NOTABLE EXHIBITION NEXT FALL.

The preliminary schedule of the 15th Annual Flower Show of the Morris County Gardeners' and Florists' Society, in conjunction with the Chrysanthemum Society of America, to be held at Morristown, N. J., next November, has been received. The premiums amount to \$2,500 already and there are more to come. Chrysanthemum blooms, chrysanthemum plants and groups, roses, carnations, violets, decorative plants, orchids, hothouse grapes and vegetables are all liberally provided for. There is a grand array of special prizes and a sweepstake prize cup, value \$50. Copies of this preliminary schedule can be had for the asking. Send to the Secretary, Edward Reagan, Box 334, Morristown, N. J.

THE BRUSSELS EXHIBITION.

We have received from the office of the Director of this great exhibition which opens next week a communication stating that the entries are so numerous that they will tax the available space and it is possible that some of the latest arrivals may be turned away for lack of room. All indications point to a most successful and altogether remarkable show. On any matter connected with the exhibition and management address Monsieur le Commissaire General du Gouvernement (Concours horticoles) 12 Rue de Berlaumont, Bruxelles.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The following special prizes are offered for the exhibition of the Chrysanthemum Society of America, to be held at Morristown, N. J., in conjunction with the Morris County Gardeners' and Florists' Society, November 2, 3 and 4, 1910:

Class A.—Chrysanthemum Society of America. Special silver cup for the best 10 blooms, one variety.

Class B.—Wells & Co. Specials. 1st, gold medal; 2nd, silver medal; 3rd, silver gilt medal for six blooms of Chrysanthemum Howard Gould.

Class B.b. 1st, gold medal; 2nd, silver medal; 3rd, silver gilt medal for three vases of single Chrysanthemums in three varieties, six sprays of each variety. Offered by W. Wells & Co., Merstham, England.

Class C.—Lord & Burnham Co. Special. Gold medal for the best thirty blooms in six varieties, introductions 1909 and 1910. Open to private gardeners only. Offered by Lord & Burnham Co., Irvington-on-Hudson, N. Y.

Class D.—Hitchings & Co. Annual Special. Silver cup, value \$25.00, for the best six vases, six varieties, five blooms in each vase. Open to all. Offered by Hitchings & Co., New York.

Class E.—J. C. Vaughan Special. Silver cup for the best specimen Chrysanthemum plant, any variety. Open to private gardeners only. Offered by Vaughan's Seed Store, Chicago and New York.

Class F.—Peter Henderson & Co. Special. 1st, \$10.00; 2nd, \$5.00; for six vases of Ostrich Plume Chrysanthemum, six varieties, three blooms to a vase. Offered by Peter Henderson & Co., New York.

Class G.—Chas. H. Totty Special. Silver cup, value \$50.00, for the best twelve blooms of R. F. Felton. Offered by C. H. Totty, Madison, New Jersey.

Class H.—Elmer D. Smith & Co. Special. \$25.00 for the best six blooms of Rande. Offered by Elmer D. Smith & Co., Adrian, Mich.

Class I.—Wm. Duckham Special. 1st, \$10.00; 2nd, \$5.00; for six blooms of Onunda. Offered by Wm. Duckham, Madison, N. J.

Class J.—A. C. Zvolanek Special. \$10.00 for the best three varieties, three blooms to a stem, any Chrysanthemum. Offered by Anton C. Zvolanek, Bound Brook, N. J.

The secretary will be pleased to add to this list any other specials from firms or individuals willing to contribute a prize.

President Elmer D. Smith has appointed E. G. Hill, of Richmond, Ind., chairman of the executive committee of the Chrysanthemum Society of America.

C. W. JOHNSON, Sec'y.

SPRINGFIELD (O.) FLORISTS' CLUB.

At the March meeting of the Springfield Florists' Club, reports were received from the special committee on the fall flower show, which had been appointed at the previous meeting. The meeting voted unanimously in favor of a show to be held some time in November, 1910. Practically all of the leading floral concerns of the city have pledged their support and promised to make some kind of an exhibit. A list of premiums is in course of preparation and competition may be opened to local amateurs and to out-of-town florists.

An executive committee was appointed to have charge of the show, consisting of Roger Murphy, president ex-officio; C. L. Reese and C. P. Bethard for the local retailers, and John M. Good and George D. Leedle for the wholesale growers.

AMERICAN ASSOCIATION OF NURSERYMEN.

The thirty-fifth annual convention of this organization will be held June 8, 9 and 10, 1910, at the Brown Palace Hotel, Denver, Colo. Secretary John Hall writes:

"Who has not heard of Denver! One of the most beautifully situated cities of the West! Its streets are wide and shady—thanks to the nurseryman; and its residences and public buildings are stately, handsome and attractive. Denver has been appropriately called 'The Queen City of the Plains.' It commands a magnificent view of mountain scenery, including Pike's, Long's and other noted peaks perpetually covered with snow. Just the place for the nurseryman, worn out with his winter's campaign and spring delivery, and the more exasperating chase after his delivery returns. Take a rest; take your wife or mother or daughter and get into a climate that is peculiarly serene and healthful."

"The Entertainment Committee has been 'on the job,' and Brother F. A. Weber and his associates have already arranged a delightful series of events for the ladies and for 'us,' the most notable of which (subject to action of the Program Committee) will be a sight-seeing trip over the marvellous Moffat Route to Corona—said to be the finest scenic route out of Denver, and one of the greatest pieces of civil engineering in the world. The trip will be a complimentary one to members and their ladies."

"We have been unable to secure reduced rates from the Passenger Associations, but have received a letter from the chairman of the Western Passenger Association, saying:

"On behalf of the individual lines interested would respectfully refer you to the Summer Tourist fares that will be in effect to Denver, Colorado Springs and Pueblo this year, which will be available for your convention."

"The Summer Tourist fares referred to are on the basis of \$30.00 from Chicago, \$26.75 from Peoria, \$25.00 from St. Louis, \$17.50 from Missouri River points and proportionate fares will be in effect from intermediate points. Tickets will be on sale daily from June 1st to September 30th, inclusive, with return limit of October 31, 1910."

"Whilst we have regretted our inability to secure the reduced rates, yet we think, in the long run, that members will be better pleased with the Summer Tourist rates, because they will not be under the necessity of cutting their visit to Denver short for the sake of the reduction they might have expected to get under the certificate plan. The Rochester nurserymen are getting up a special car load for Denver."

The Exhibits.

For information under this head application should be made without delay to Mr. E. P. Bernardin, Parsons, Kan., Chairman of Committee on Exhibits. Intending exhibitors should write him now.

Program.

J. W. Hill, Chairman of Committee on Program, announces that the following gentlemen will appear on the program:

E. S. Osborne, Rochester, N. Y.; Jas. M. Irvine, St. Joseph, Mo.; Professor C. P. Gillette, Fort Collins, Colo.; Professor W. L. Howard, Columbia, Mo.; Vice-President E. A. Smith, Lake City, Minn.; W. N. Scarff, New Carlisle, O.; A. Willis, Ottawa, Kan.; Professor John Craig, Ithaca, N. Y.; A. B. Morey, Dansville, N. Y.; C. S. Harrison, York, Neb.; E. W. Kirkpatrick, McKinney, Texas; W. H. Stark, Louisiana, Mo.; H. W. Marshall, Arlington, Neb.; Geo. H. Whiting, Yankton, So. Dak.; J. R. Mayhew, Waxahachie, Texas; Professor E. P. Taylor, Columbia, Mo.; Peter

Youngers, Geneva, Neb.; E. M. Sherman, Charles City, Iowa.

The secretary's address is John Hall, 204 Granite Bldg., Rochester, N. Y.

ELBERON HORTICULTURAL SOCIETY.

At the Elberon Horticultural Society meeting on the 4th of April, R. R. Hughes read a paper on landscape gardening which was very interesting and opened up a large field for discussion. Mr. Hughes talked for some time on the best trees and shrubs to grow along the coast and also the best grass seed mixture to use. The awards for competitive exhibits were as follows: Wm. Seymour, 92 for Callas; D. Kelley, 90 for cauliflower; P. Murry, 85 for gardenias; P. Ewen, 85 for dracaenas; C. Duncan, 75 for roses; A. Bauer, 70 for tulips.

ALEX. FLEMING, Rec. Sec.

CLUB AND SOCIETY NOTES.

The annual banquet of the Lenox Horticultural Society took place on March 30, at the Curtis Hotel and was a great success. The floral and electrical decorations were very fine. Allen Jenkins served as toastmaster.

W. H. Elliott, president-elect of the American Rose Society, who was not present at the meeting which elected him, has written to Secretary Hammond accepting the honor and promising his best efforts towards the success of the society.

The best wishes of the members of the Morris County Gardeners' and Florists' Society are extended to Arthur Herrington on the assumption of his new landscape gardening business. Mr. Herrington was one of the main workers in organizing the Morris County Gardeners' and Florists' Society, was its first president and is still one of its most active members. No one knows what to plant and how to plant it for results better than he. His training abroad and his experience here stand him well in hand now.

INCORPORATED.

Hamilton, Montana.—Bitter Root Valley Nursery Co., capital stock \$200,000. T. H. Hanbridge, S. P. Kerr and G. I. Watters, directors.

San Francisco, Cal.—California Ladies' Flower & Plant Co., capital stock \$75,000. The company is to be managed entirely by women.

Oroville, Wash.—East Oroville Orchard Co., incorporated, capital stock \$40,000. A. P. Murray, L. L. Work and C. S. Barns, incorporators.

Hoboken, N. J.—Henry Nungesser & Co., capital \$50,000. Incorporators Henry Nungesser and Geo. S. Mitten-dorf of New York and Wm. A. Proescholdt of South Orange, N. J.

Nashville, Tenn.—Tennessee Pecan Co., nursery, capital \$50,000. Incorporators, H. G. Baker, Masterson & Peyton, John D. Benedict, J. Sam Morton, T. J. Collins, J. R. Young, W. W. Baird and A. R. Doddson.

New York, N. Y.—A corporation to deal in flowers, seeds, etc., under the name of "Buds," capital stock \$5,000. Incorporators, Carl R. Gloeckner of Jersey City, N. J., Wm. F. O'Connor and Wm. H. Siebrecht, Jr., of New York.

MAKING SKYLINE.

In the formal herbaceous and rose-garden at Riverside Farm, the estate of Mr. Edward Porter May, in Framingham, Mass., the east and south boundary lines are left open to air and sunshine, while the north and west winds and cold draughts are excluded by a high spruce hedge and the greenhouses, those making a distinct contrast between the two sides of the rectangle.

Now we know by the pictures of famous Italian gardens, and by what we have been told and seen of other formal gardens, that these are mostly on terraces, elevations, mountain slopes, seashores, lake sides, etc., in short somewhere where you can get a view of the surrounding country or water scenery. Gardens at the base line of some monumental building or at the base of some monument we will have to except, because in such the garden is mainly laid out to view those architectural objects. But taking it for granted that in general a formal garden to look its best, in fact to completely justify its existence as a formal garden, must be a sort of a platform from which to look at a larger part of beautiful natural scenery, it becomes of course necessary to leave these sides or parts towards this scenery open.

The views of natural woodland and rural scenery extending toward the east and south in the above described garden, save for a low privet hedge, were left open. Yet it became obvious that the high spruce hedge, thirty feet on the west side, and the long glass roofs of the greenhouses on the other side, were throwing the garden in some way out of balance. To counteract this it became therefore necessary to lighten the skyline of the low privet hedge in various places. How this was accomplished without spoiling the airy, sunny outlook toward the southern and eastern fields and groves on the shores of the Framingham reservoirs of the Metropolitan system, the accompanying pictures illustrate.

Picture No. 1 shows two pear trees



left from an old orchard breaking the skyline on the northeastern corner close to the greenhouses.

Picture No. 2 shows an opening in the middle of the east side hedge, leading through an adjoining raspberry field toward a grape arbor and beyond into farm lands. In this view you see also in the background a part of the woodland scenery along the eastern horizon. The arch is made of cedar posts. The little tree to the left is a cornus and the vines over the arch are *Cobea scandens*. Permanent vines like wistarias, honeysuckles, clematis, etc., have been planted by these posts,

as well as by the other posts shown in these pictures, but *Cobea scandens*



were used along with them for immediate covering.

In the picture No. 3, we come to the south side privet hedge. This was taken in the late autumn after the *cobea*s had been pulled down. It shows how this south side was left comparatively open and unobstructed and yet has in this summer-house a definite ending of the formal garden. Two pear trees were left standing



when the garden was made, breaking the sharp horizontal line of the hedge but not enough to shut out any view. This same principle may be applied to the summer-house, and there is really no impression of any obstruction although it has a comparatively large roof.

The roof of the summer-house is made of rattan matting such as used for hot-bed covering. It is about 1½ to 2 inches thick. The first layer of matting was put over smooth, the second layer with 16-inch lapping. Between the two layers Rubberoid paper was placed, thus making a rain-proof thatch looking like old country straw thatching. The overhang on the beams is about 10 inches.

GERHARD BLEICKEN.

ANOTHER APHINE DEMONSTRATION.

An Aphine demonstration under the auspices of the Nassau County Horticultural Society will be held on the date of the society's next meeting, Wednesday, April 13th, at Pembroke Hall, Glen Cove, Long Island, between the hours of 3 and 6 o'clock. Mr. Ebel is anxious to have the gardeners and growers submit a goodly collection of insect infected plants, so that he can prove decisively that Aphine will do all that is claimed for it.

The company last month reported the largest business in its history, and the merits of Aphine seem to have been discovered both on the Pacific Coast and in the South, from both of which sections large orders are being received.

SEASONABLE NOTES ON CULTURE
OF FLORISTS' STOCK.

Dendrobiums.

This genus includes many very handsome species as well as some of the most useful orchids for the florist to grow for the cut flower trade. At this season of the year and after a long period of rest many fine species should be bursting into bloom, while others that have finished flowering will be starting their new season's growth. When they have finished blooming is the best time to repot and top-dress. A good compost is made of equal parts of fibrous peat and live sphagnum, with some broken charcoal mixed among it. Be sure that they have plenty of drainage. They can be grown in either baskets or pots. I prefer baskets for the pendulous varieties, such as *Devonianum*, *lituiflorum*, *Pierardii*, *superbum*, *chrysanthum*, *Wardianum*, and kindred sorts. They will require more frequent syringing than those grown in pots, but you will find them less subject to attacks from slugs and wood lice when grown in this manner. Cold water is highly injurious. The water for syringing and dipping should be warmed to the same temperature as the house. When in flower if hung in a cooler and shaded house they will last a much longer time.

Ericas.

Now is the time to start in order to have well-balanced plants for next year. Those that are unsold and past their bloom should be cut in just enough to give them a good shape. Ericas that are perfectly healthy can go into a pot one size larger, while doubtful specimens that look sickly will be improved and frequently restored to vigor by repotting into a pot of the same size as the one previously occupied. The ball of earth in such a case should be loosened with a piece of pointed wood, and the outer soil shaken off. Should the inner part of the ball be dry, which is very often found to be the case, they should be dipped for some time into a tub before repotting. The soil for potting should be a fibrous peat and some good loam with about one-third of silver sand. All heaths like plenty of drainage. They will stand nothing like a sodden soil. In potting care should be taken to set them rather a little too high than too deep. Be sure that the soil is well firmed around their roots. Frequent syringing is essential, but in watering great care must be taken not to overdo it. At the same time the plants must never be allowed to become dry. When put out of doors in the summer the pots should be sunk to their rims into some loose material such as hay or leaves—anything that will allow the air to pass through. They prefer a place that is benefited by the shifting shade of some large trees during the hottest hours of the day. Some of the best ericas for the florists are *regerminans*, *persoluta*, *caffra*, and *gracilis*.

Palm Seed.

It is a good plan where you have the room to spare to sow some palm seed every year so as to have them in any size needed. All our leading palms grow quite easily from seed. Leaf-mold, sand and loam in equal parts

A FIELD OF BODDINGTON "QUALITY" TRUE HARRISII, BERMUDA.



make a good mixture for any variety. The seeds can be sown in a bench, flats or pans where they can have a bottom heat of 75 to 80 degrees. As the hot weather comes on a mild hot-bed makes an ideal place. During the summer they may not need watering oftener than once a week. A light shade on the glass will save them from drying out too much. Palm seed germinates very irregularly. While some will come in two months' time, there are many others that will not show for many months, and for that reason I prefer flats or pans to sow in. When they show one or two leaves, pot off singly into 2-inch or 2½-inch pots. They should be kept close and warm until they have started. They will grow slowly the first year, but after that it is astonishing how soon they grow into salable plants.

Pansies.

When your violets give out, especially the single ones, they can be replaced by pansies that have been grown in flats. Just lift the plants from out of the flats with sufficient soil attached to insure their taking hold. A few weeks will suffice to put them in fine condition for spring sales. As the pansy thrives best in a low temperature and only needs a bare protection from frost, so at all times now keep the air pure by ventilation on all possible opportunities. They can be made up in pans or pots of eight or ten plants, and placed somewhere in view of passersby. They are a favorite with most people.

Planting Out Carnations.

Preparation for planting out carnations should be started as soon as the ground is in condition and danger of frost is over. As to the time for beginning to plant out, that will depend on your climate. Caution should be used against planting too early. While a slight frost may do no damage, if the plants are in good condition I don't think it does them any good. How far apart to plant will depend largely on

how much ground you have to spare and how you wish to cultivate them. Those who have plenty of land and intend to cultivate with a horse must have their rows 2½ to 3 feet apart. There are several ways of planting, and each has its advocates. I like to plant in rows 15 inches apart and 12 inches in the row. This will allow you to use a Planet Junior cultivator both ways, but be sure the rows are straight both ways. An acre planted this way will hold 34,848 plants. See that the plants are clear of insects before planting. Pests such as red spider or aphids are harder to fight in the field than in the house. See that the plants are kept moist at the root during planting. Don't lay out too many ahead of the planters, as they will dry out very rapidly while exposed to the sun and air.

Ramblers for Next Easter.

Those intended for next Easter should be one year old now. They can be potted into 6-inch pots at once, and cut back quite hard. Give them the coolest house you have and grow them under glass until August. Leave five or six strong canes; all other growth should be rubbed off. Set them outside in July and in about a month withhold water so as to ripen up the wood. Careful attention to details with regard to ventilating and fumigating is necessary during their growth in order to avoid mildew or green fly, or anything that is liable to give them a check.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on *Antirrhinums*, *Cosmos*, *Cyclamens*, *Gladoli*, *Lilies* for Decoration Day, *Lily of the Valley*.

Elizabeth, N. J.—Police officers were called upon last week to preserve order among a lot of Sicilians, employees of the Hiram T. Jones nurseries who were on strike and were disposed to maul some of their fellows who had declined to join the strike.

HEADQUARTERS FOR SPRING BULBS

Begonias, Caladiums, Cinnamon and Madeira Vines, Cycas Stems, Iris Roots, Cannas.

250 VARIETIES DAHLIAS

We are headquarters for Dahlias and can supply every worthy sort; highest quality at lowest price.

Our selection best commercial sorts. \$1.00 per Dozen. \$8.00 per 100

Gladioli by the 100 thousand, Japanese Lilies, Tuberoses. Fern Balls.

Everything in bulbs, seeds, plants and horticultural supplies. Our catalogue will interest you. Send for copy to-day. Lowest wholesale prices for good goods.

Henry F. Michell Company, 518-1018 Market St., PHILADELPHIA, PA.

"PROFANING THE ROSE."

A horticulturist of California, where horticulturists are habitually dissatisfied with nature and seek to befuddle her, has so confused the rose bush that it has dropped to the unaesthetic level of the pea vine and the muskmelon. A climbing rose at Berkeley has produced an edible fruit, simulating the flavor of the pine apple, allied to the loganberry which it will in course of time, we are told, supplant. We assume that this fruit is as free from thorns as the modern, familiar kitchen brand of codfish is free from bones, and perhaps more so. We assume that it is not a prey to the homely and determined rosebug. We assume that its similarity to the pineapple does not extend to its oppressive taxation of the human digestion.

Such inventions (or perversions) as this, however, we cannot welcome as blessings. In an age of utilitarianism, when the cold and unfeeling motor car has encroached on the field of the poetic though hungry horse, and when the linen ruffle has in some instances given way to the celluloid collar, each additional assault on the temple of unalloyed and useless loveliness must be met with caution and even opposition. The things of life which are yet allowed to remain merely ornamental are already too few. They include the violet, the rubber plant, the angora cat, the canary, the democratic party and Halley's comet. In time these things, and others, will be taken from us. The rubber plant will produce erasers, the violet will bear berries, comets will run mills and the democratic party will produce statesmen. The age of beauty follows swiftly after the age of chivalry into oblivion, and unrelieved utilitarianism crowds in, like a man beating seven women to the only seat in the street car.

Who wants to pick loganberries or imitation pineapples from a climbing rose bush? Does the useful though woody pineapple seek to bloom in rose-like gorgeousness? These triflings with fine-garbed nature are menacing the little altruism left in sunshine and showers. It is enough that sweet corn

has come from a weed, and that we neglect the white flowers to dig the roots from under the potato; enough that we have fallen upon and eaten the ornamental love apple of our grandmother's day; enough that the flowering bean and the sweet pea are less esteemed than the marrow-fat and the cranberry, lima, string and kidney; enough that we cast aside the yellow, sun-like blossom to pickle and preserve the hard root of the Jerusalem artichoke; enough that we brutally beat and eat the dried remains of the fragrant flowering buckwheat. Let the rose, at least, be free from this taint of the less refined appetite.

It is well enough to pervert the unkempt cactus to food-and-drink uses, or to take liberties with the soulless prune, or to issue an official cook book filled with poisonous directions how to make the masses of round steak believe they are the classes of porterhouse. Leave the rose to bloom in innocence and inedible distinction. Let the moss rose gather no moss, let the tea rose remain cheering and not inebriating, and let the ramblers ramble, care free and useless.—*Boston Advertiser.*

PERSONAL.

George Golsner of College Point, N. Y., will start on a European visit about June 1.

John Miesem and wife, of Elmhurst, N. Y., are booked for a European trip, June 1st.

Robert Armstrong is now head gardener for the Realty Syndicate, Oakland, Calif.

A. N. Pierson of Middletown, Conn., sailed for Europe on April 4 for a vacation of two months.

David Miller, formerly of West Roxbury, Mass., has accepted a position as gardener to H. C. Pierce, St. Louis, Mo.

Joseph Proval, a florist of Brooklyn, was to have sailed for Europe last week but the trip is indefinitely postponed owing to the visit of a burglar

who entered Mr. Proval's home on Clarkson street and made off with \$1000 in cash.

N. D. Gachor, for 28 years proprietor of the Broad St. Station, Philadelphia, Flower Stand, retired from business March 31st.

Mr. Brice, formerly for eight years florist at the University of Illinois, has taken a position with Adden, Morgan Co. in Paxton, Ill.

Louis Hayet is now head gardener at Waller's Gate, River Forest, Ill. Mr. Hayet was formerly foreman for A. J. Lanternier & Sons, Fort Wayne, Ind.

Visitors in Boston: Lee Whitman, Yonkers, N. Y.; Arthur Zirkman and Robt. Shoch, representing M. Rice & Co., Phila.; Winfried Rolker, New York.

A. A. Tracey has moved to Wenham, Mass., from Somerville to take charge of the bulb department of the gladiolus farm of his brother, B. Hammond Tracy, at Cedar Acres.

Visitors in New York: Alex. Dallas, Waterbury, Conn.; Frank Witney, Fishkill, N. Y.; A. H. Wingett and A. J. Loveless, Lenox; Mr. Etherington, Stockbridge, Mass.; H. G. Eyres, Albany.

A. McMeans, head gardener at the Experiment Station, Vegetable Department, Agricultural College at Guelph, Ont., has gone to the Agricultural College in North Dakota to take a similar position.

Robert E. Miller started from East Brookfield, Mass., last Thursday for Salt Lake City to erect two large rose houses at Farmington, Utah, the material for which will be supplied from Chicago.

John H. Taylor, of Bayside, N. Y., is contemplating an extended trip abroad and has published for sale at auction on April 14 and 15, the entire contents of the family mansion which he has so long occupied.

NEW ENGLAND FLORISTS!

Announcement Extraordinary

We are now shipping to Boston a most attractive, interesting and extensive display of **Florists' Supplies**, including every requisite for

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JUNE WEDDINGS
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**The Goods Will Be On Exhibition
At Rooms 408-410 Quincy House, Boston,
April 11th to 16th Inclusive.**

We shall be represented there by Messrs. Martin Reukauf, Stephen Green and Sydney Bayersdorfer who will be constantly in attendance and will be pleased to have a visit from you to look over this display of things choice new, and useful from the best stock in our Philadelphia Warehouses.

This effort is put forth for the convenience and benefit of the florists' of Boston and New England.

It will pay you to take a look at it.

H. Bayersdorfer & Co.

**The Florists' Supply House of America
1129 Arch St., Phila., Pa.**

DOUBLE YOUR CARNATION PROFITS—LAST CHANCE TO BUY

The trade has certainly bought liberally of Carnation Dorothy Gordon this winter and spring—orders for rooted cuttings have taxed our producing capacity nearly to the limit, but we're proud of the stock we sent out, and judging by their kind letters, our customers are pleased, too. And next winter, when all those splendid plants come to bloom and these florists begin to make money as they have never before made it from carnations, they'll be still better satisfied.

Have YOU delayed getting in your order for this mag-

nificent new Carnation? If so, this advertisement is addressed to you; we have just a few thousand more cuttings in the sand for April 15th delivery, and when these are taken, no more will be available till next winter.

We urge you, if you want to double your carnation profits, not to delay; the merit of this splendid new variety has been thoroughly proved, and the only possible loss you can experience in the matter is to let this opportunity slip by and stick to the old sorts you've been growing in the past.

Carnation Dorothy Gordon

has a splendid pedigree, a long list of good qualities and an enviable record of prizes and awards. It is a seedling of Lawson on Enchantress, possessing the principal merits of these varieties without their faults. It is vigorous in growth and perfectly free from disease. Its flowers are a trifle darker than Pink Enchantress; they are borne in double the quantity and are of exceptional size—averaging over 3 inches in diameter. They are very fragrant and keep exceptionally well. The market price paid for Carnation Dorothy Gordon is regularly 50 per cent more than that paid for Enchantress.

From the very first, Dorothy Gordon has established a

splendid record as an exhibition variety. High awards were given it at the meeting of the American Carnation Society in 1908 and at the National Gardeners' Association meeting in New York. This season it has attracted much attention and has won further renown at the Pittsburgh and Toronto meetings.

In order to give the trade a fair opportunity to test it thoroughly, we have from the first sold rooted cuttings at a price which would get it established everywhere. This low figure still prevails, and the remaining stock will be sold at these prices: \$10 per 100; \$75 per 1,000. No further offers this season.

JOSEPH HEACOCK COMPANY, Disseminators, - WYNCOTE, Pennsylvania

A PRESENTATION.

Alexander Montgomery, Jr., severed his connection with the Waban Rose Conservatories, Natick, Mass., on March 30, and will now assume the active superintendency of the new establishment of the Montgomery Rose Com-

pany at East Hadley, Mass., with his brother Robert as secretary. Mr. Montgomery, who has grown from boyhood on the noted rose-growing establishment over which his father has long presided, is and always has been very popular with the employees on the place, and they took opportunity at this time to show their esteem for him by presenting him with a handsome roll-top desk and set of office furniture. The presentation was made by P. J. Donahoe, who referred appreciatively to the companionable qualities of Mr. Montgomery, who had been at all times as ready to join the boys in their pas-



ALEXANDER MONTGOMERY, JR.

times as he was earnest in the performance of duty and extending hearty wishes for success in the new field. The recipient of the gift was taken completely by surprise and responded appropriately, after which there was a reception in which he greeted each one individually.

Mr. Montgomery is a graduate of Amherst Agricultural College and a particularly well-informed and successful rose grower. The two new houses at East Hadley are now being grafted and will be fully planted by May 1.

The Merits of

APHINE

Will again be publicly exploited at a demonstration before the NASSAU HORTICULTURAL SOCIETY, Pembroke Hall, Glen Cove, L. I., Wednesday afternoon, April 13th, from three to six o'clock.

We are anxious to have a large collection of insect infested plants submitted at this test, so that we can decisively demonstrate the wonderful merits of this new insecticide APHINE.

You are cordially invited

Aphine Manufacturing Company

MADISON, N. J.

CARNATIONS

F. DORNER & SONS CO.

LaFayette, Ind.

CHRYSANTHEMUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton.

Rooted Cuttings, \$2.00 per 100; \$15.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Enguehard, Dorothy Devens, Early Snow, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jennie Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Maj. Bonnafon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton.

Rooted Cuttings, \$1.50 per 100; 2 1/4-in. pots, \$3.00 per 100; \$25.00 per 1000.

WOOD BROTHERS

FISHKILL, N. Y.

PEONIES

Send for our list. The very choicest Commercial Varieties.

FIELD CARNATIONS

Pure White Enchantress

Afterglow, Winona, Winsor, splendid plants, \$6 per 100, \$50 per 1000

THE E. G. HILL CO.,

Richmond, Indiana.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink, Sangamo, Brilliant pink, Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATION

Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATALOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

In ordering goods please add "I saw it in HORTICULTURE."

Dreer's Hardy Delphiniums

Belladonna. The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$2.00 per dozen, \$15.00 per 100; \$125.00 per 1000.

Dreer's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

Formosum. A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

Chinense Blue and White. 75 cents per dozen, \$5.00 per 100.

CHOICE NAMED HYBRID VARIETIES.

Alfred Henderson. Bold, massive spikes of semi-double rosy-lavender flowers, 2 inches across, white eye. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Beatrice Kelway. Deep, rich blue with a conspicuous yellow eye, flowers 2 inches across and perfectly arranged. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Cerberus. Sapphire with black-brown centre, a handsome spike. 35 cents each; \$3.50 per dozen.

Chinense Cineraria (Spurless Hardy Larkspur). The large flowers without a spur, strikingly resembles a fine, rich sky-blue Cineraria. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Duke of Connaught. Rich oxford-blue, with distinct bold white eye; fine large flowers. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

J. C. Jenkins. Very large, semi-double bright mauve edged with royal blue and white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

King of Delphiniums. Most vigorous growing, immense size, semi-double, rich deep blue with large white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lizzie. Lovely azure-blue, flowers 2 inches across, bold, creamy-yellow eye, arranged in bold massive stems. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lemartin. Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Mrs. Creighton. Semi-double, outer petals deep sky-blue, centre rich plum with black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Persimmon. Comparatively new; beautiful delicate turquoise-blue. 50 cents each; \$5.00 per dozen.

White Seedlings. These have been carefully selected and will be found desirable in any collection. 30 cents each; \$3.00 per dozen.

For the most complete list of Hardy Perennial Plants offered in America see our current Wholesale List

Henry A. Dreer, Inc.

714 Chestnut Street, PHILADELPHIA, PA.

The above prices are intended for the trade only.



DELPHINIUM BELLADONNA

GRAFTED ROSES.

Killarney, White Killarney, My Maryland, Bride, 'Maid, Richmond, Golden Gate, Mrs. Jardine and Chatenay, all \$15.00 per hundred.

FIRST CLASS STOCK.
IMMEDIATE DELIVERY.

Also a full line of OWN-ROOT STOCK, of all the Standard Varieties.

CHARLES H. TOTTY, MADISON, N. J.

In ordering goods please add "I saw it in HORTICULTURE."

DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

Catalogue Free

J. L. MOORE, Northboro, Mass.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

Orchids Fresh Stock. Just Arrived.

Cattleya Trianae, per case, \$40.00. Labiata, per case, \$50.00.
In splendid season for strong growth and flowers the first season.

Successors to G. L. Freeman.

G. L. FREEMAN CO.
FALL RIVER, MASS.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

IMPORTED ORCHIDS

Now Arriving

Julius Roehrs Co.
RUTHERFORD, N. J.

LORRAINE BEGONIAS

For Immediate Delivery

2 1/2 in. pots, \$15.00 per 100. \$10.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors, \$50.00 per 1000

THOMAS ROLAND, Nahant, Mass.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

In ordering goods please add "I saw it in HORTICULTURE."

ROSES

For Decoration Day

Roses always sell well on Decoration Day. Potted NOW, they will be in good time for this important event.

Mr. Florist:—Our stock is in grand condition, the quality the best, true to name and in fine dormant condition. **ORDER TODAY AND BE ON TIME.**

Hardy Hybrid Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

Price, 75c. for 5 (of one variety), \$12.00 per 100, \$110.00 per 1000 (immediate delivery).

Abel Carriere. Crimson.
Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Flesh color.
Clio. Satin blush.
Duke of Connaught. Rosy crimson.
Duke of Edinburgh. Bright vermilion.
Eugene Verdier. Crimson-violet.
Fisher Holmes. Dark crimson.
Frau Karl Druschki. The finest white.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson.
John Hopper. Bright rose.
La France. Pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh.
Marshall P. Wilder. Cherry rose.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Satiny pink.
Mrs. John Laing. Satiny pink.
Paul Neyron. Dark Pink.
Perle des Blanches. White.
Persian Yellow. Yellow.
Prince Camille de Rohan. Dark crimson.
Ulrich Brunner. Cherry-red.

For prices see above.

Also we have on hand a very fine collection of Hybrid Teas, Everblooming Roses, such as Killarney, Cochet pink and white, Kaiserins, etc.

Prices upon application

Ramblers and Other Climbing Roses

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, \$1.25 for 10, \$12.00 per 100; 4 to 5 feet, \$1.75 for 10, \$15.00 per 100; 5 to 6 feet, extra heavy, \$2.25 for 10, \$20.00 per 100.

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field grown. 85c for 5, \$15.00 per 100.

DOROTHY PERKINS. Lovely shell-pink color. \$1.25 for 10, \$12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$2.25 for 10, \$20.00 per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, 4 to 5 feet. \$1.75 for 10, \$15.00 per 100.

Flower of Fairfield The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c each, \$3.50 for 10, \$30.00 per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens, contrasting with the blue flower, give the whole a striking appearance. 60c each, \$5.75 for 10, \$55.00 per 100.

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c for 5, \$16.00 per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. 85c for 5, \$15.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c for 5, \$15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. 85c for 5, \$15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard). The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40c each, \$3.75 for 10, \$35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c each, \$6.25 for 10, \$60.00 per 100.

We also have a fine stock of Hybrids and Hybrid Teas, standard grown.

Something New in Roses for Florists

HALF STANDARD BABY RAMBLERS

These are Baby Ramblers, grown on stems or standards about one and one-half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60c each, \$6.00 per doz., \$45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c each, \$4.50 per doz., \$35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c each, \$4.50 per doz., \$35.00 per 100.

BABY "STARS AND STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c each, \$5.00 per doz., \$40.00 per 100.

ARTHUR T. BODDINGTON

Seedsman

342 West 14th Street, NEW YORK CITY, N. Y.



Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,

Mount Hope Nurseries.

Rochester, N. Y.

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA

June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Flaule, Big Chief, \$3 50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Evergreens

in large variety—some rare specimens

Rhododendrons

Native and Hardy Hybrids

HARDY
NORTHERN
GROWN

Trees, Shrubs,
Vines, Roses

In great variety

Herbaceous

Perennials

CATALOGUE AND PRICE LIST MAILED FREE

THE BAY STATE NURSERIES,

ORTH ABINGTON, MASS.

NEWS NOTES.

Seattle, Wash.—A city nursery is under consideration for this place.

Rockford, Ill.—J. J. Soper has purchased a 20 acre fruit farm at Roseburg, Ore.

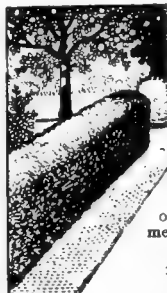
Corfu, N. Y.—Henry Fishel has sold his greenhouse business and intends to take up farming.

Fremont, Nebr.—G. L. Welch & Co., have expanded their nursery business by a purchase of 17 acres of the Dockstader land.

Portland, Ore.—L. O. Berry & Son of the Bay Tree Nursery Co., of San Francisco, Calif., have opened a branch at Union & Alberta Sts.

Gradyville, Pa.—The Jesse R. Baker farm has been purchased by Howard Keller of Falls of Schuylkill, Philadelphia; he will engage in the florist business.

Kennewick, Wash.—The Vanholderbeck Nursery Co., has purchased 80 acres of land at Kennewick Highlands and will plant the largest nursery in the Columbia River Valley.



Privet GROWN for Hedges

Satisfactory hedges are only obtained by proper nursery treatment. Plants not properly treated in the nursery must be cut back close to the ground and practically started all over again. Our California privet is grown specially for hedges and makes a dense growth of dark green, very shiny, ornamental foliage.

	Price per 100	Per 1000
12 to 18 inches	\$2.50	\$20.00
18 to 24 "	3.00	25.00
24 to 30 "	3.50	30.00
30 to 36 "	5.00	45.00
Small plants by mail, postpaid	4.00	20.00

W. JERSEY NURSERY CO., - Bridgeton, N. J.
29 Magnolia Avenue.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts., P. O. No. 1, Hoboken, N. J.

In ordering goods please add "I saw it in HORTICULTURE."



"NOT HOW CHEAP—
BUT HOW GOOD"

Horseshoe Brand Products

It is not the man who does different things than others who earns recognition—it's the man who does the same thing better.

In order to do the same thing better in the lily growing business, you must first have a solid foundation—the best bulbs.

Horseshoe Brand lily bulbs are of superior quality and will average better than any other brand known.

Write for prices.

RALPH M. WARD & CO.

12 West Broadway, - - - New York

All varieties of Cold Storage Lily Bulbs on hand for sale.

Seed Trade

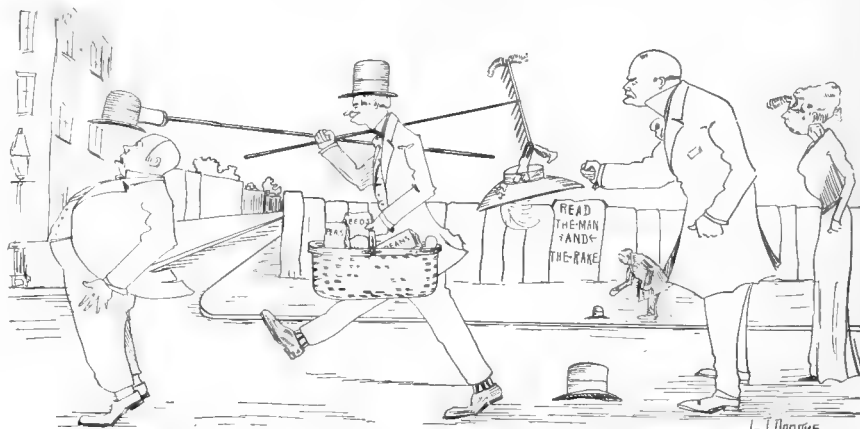
Condition of Trade and Prospects.

The condition in the seed trade so far as can be ascertained are very satisfactory as far as activity in all lines of the trade can be considered. The statements from the large mail order houses show that for the past two or three weeks they have done a larger volume of business than ever in their history. Counter trade is also very active, and in sections of the country where this class of business does not usually begin in earnest until April, the dealers have been crowded to their limit, and have been unable to take care of the orders, many of them being from two to four days or more behind, practically all of their time being taken up in waiting on transient counter trade, while their orders have been side-tracked for evening work.

How long this condition will last is a problem that is interesting the trade and worrying a considerable number. The latter are pessimistic, and are confident that we will have more winter, and that such an early spring is not a good omen, but means a short season and a smaller volume of business. This does not seem to be a wise view to take, as everyone should make the most of the conditions as they meet them, and trust to the fortunes of war for the future. If bad weather follows, a large replanting will no doubt be necessary, although in the matter of peas the shortage of many of the leading varieties is so great that there will be nothing left for replanting if any disaster should overtake the first planting. It is therefore a rather serious matter regarding peas, although as to most other varieties enough seed will probably be found for such replanting as may be necessary. It is reported that the growers of peas are planting such varieties as Gradus, Thomas Laxton, Telephone, etc., and unless the weather conditions are more favorable during April than is usual, a very large percentage of the seed will fail of germination. The replanting of these varieties will of course be practically impossible, as there are no reserves to draw upon, and either other varieties must be utilized, or the replanting of peas be omitted.

The Cannery Plans.

Joint committees representing the Cannery Machinery & Supply Association, and the National Brokers Association, met in Chicago on March 26th for the purpose of selecting a place for the next Annual Convention to be held during February, 1911. The place selected is Milwaukee, and while certain preliminaries are yet to be settled, there is little doubt that the place made famous by Schlitz will have the pleasure of entertaining the canners and allied industries in 1911. The committee which met in Chicago discussed the claims of the various cities bidding for the convention, but as Milwaukee's offer was the most practical,



When Mr. Commuter comes into town and makes his purchases of garden necessities.

the other bidders received little attention. The first vote was practically unanimous for Milwaukee. Following this meeting in Chicago, a sub-committee was appointed to visit Milwaukee to interview the local association, and close the contract for next year's convention, which was done subject to confirmation by the Board of Directors of the National Cannery Association. The Committees representing the Brokers' & Machinery & Supplies Association, have been fully empowered by their Associations to decide the matter. Milwaukee's new Auditorium or Convention Hall will be the place for the Machinery & Supplies exhibit, and as there are various large halls capable of seating from 300 to 1500 people, in addition to the main convention hall, the meetings of the different associations will be held right in the building, and there will therefore be no real necessity for hotel headquarters, although in all probability one will be chosen, but just which one has not been decided upon. We learn that a new hotel is to be erected which will be open for business January 1st, 1911, and it is not improbable that this new hotel may be chosen as the headquarters. The local hotel men's association have given their pledge that their rates will not be advanced to members who attend this convention, but that the regular rates will be charged. The Business Men's League or Association, guarantee to furnish Convention Hall in its entirety for the use of the convention for a period of ten days, or such part thereof as may be necessary, free of charge. The differences which have heretofore existed between the National Cannery Association and Machinery & Supplies Association are in a fair way of adjustment, as both committees were very much disposed to bury their differences and co-operate earnestly for the advancement of the canning industry. At this writing it looks very favorable for a harmonious and successful convention, and it is earnestly hoped that no discordant element will be permitted to butt in and upset things.

The Pea Outlook.

Peas are going into the ground earlier than in many years. During the last ten days of March, planting was quite general in Wisconsin, and if the

weather should continue favorable, canning will commence at least 3 or 4 weeks earlier than last year. Many hundreds of acres had been planted up to March 26, whereas last year practically no planting was done until the first or second week in May. It is to be hoped that the unfavorable weather may not destroy the seed or young plants just after coming out of the ground. It is very early, however, for seeding in Wisconsin, and all must admit that there is a considerable element of risk from unfavorable weather, still those who are planting are fully justified in doing so, and trusting to luck to pull through without serious damage. There is much complaint from the canners of securing acreage this year, and in Indiana, Ohio and portions of Wisconsin the acreage will be greatly reduced unless the canners rent the land and do their own farming. This they are not likely to do to any considerable extent, and the result will be decreased acreage, which will doubtless make for the best interests of the industry, while a considerable quantity of pea seed will be carried over and which probably will not be needed for next season, as it looks at present much as if this would be a year for a good crop of peas, both for seed and canning purposes. If the present outlook holds good we may expect a decided slump in values next fall, and Spot Pea Seed will be for sale at prices below those now quoted on futures. For this reason, it would seem that every bushel of future seed that can be sold by the growers will prove of advantage to them.

Notes.

Sheboygan, Wis.—The Allan Seed Co., has started on a three-story addition.

Milwaukee, Wis.—Louis Johnson & Son have purchased the seed business of C. H. Jackson.

Augusta, Ga.—N. L. Willett Seed Co., 309 Jackson St., has increased their capital stock to \$30,000.

FIRE RECORD.

Windsor, N. Y.—The large building occupied by D. M. Ferry & Co. as a seed ware house, was recently gutted by fire, loss \$200,000.

NEWS NOTES.

Marysville, Calif.—Twenty acres of land have been purchased by the Marysville Flower & Seed Co., in Sunset Colony, Number 5, Sutter Co., where a nursery will be conducted and a greenhouse built.

Detroit.—Just now the ladies of the Gardening Club, a branch of the Twentieth Century Club, are engaged in their annual distribution of seeds to school children. In this way they dispose of \$1,500 worth of seeds at cost price. To further interest the children in this work these ladies have made arrangements with George Rackham to deliver short lectures to the children on gardening and he has offered his services gratuitously. In this connection and under the same auspices, Frank Danzer has volunteered to superintend the laying out and caring of model gardens. His services are given free as well. This will greatly facilitate practical demonstrations to the children in garden-work, which will sooner or later have a beneficial effect on the trade.



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY

	Per 100	Per 1000
BEEF PLANTS	20c.	\$1.25
EGG PLANTS	40c.	2.00
PEPPER PLANTS, Bull Nose, Sweet Mountain and Ruby King	40c.	2.00
TOMATOES, Small Plants, Earli- ana, Early Jewel, Dwarf Stone and Champion, Ponderosa and Match- less	30c.	2.00
TOMATOES, Small Plants, Stone, Paragon, Favorite and Success	20c.	1.00

CASH WITH ORDERS
R. VINCENT, JR., & SONS CO.
White Marsh, Md.



Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c. or \$4.00.
Pure White. Tr. pkt. 50c. oz. \$5.00.
Also Beauty of Nice strains.

H. E. Fiske Seed Co.,
Boston, Mass.

MAKE THE FARM PAY

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture, and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University, and other eminent teachers. Over one hundred Home Study Courses under able professors in leading Colleges.

280 PAGE CATALOG FREE. WRITE TO DAY
THE HOME CORRESPONDENCE SCHOOL
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CATALOGUE Designing and Illustrating

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Ageratum Blue Star, dwarfest of all, 6 Tr. Pkts.	\$1.25	Oz. Tr. Pkts.25
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" Snowball.....	3.0040
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and Florists

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Stocks, Candytuft, Salvias, etc., etc.
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Of Interest to Retail Florists

FLORISTS' SUPPLIES ON EXHIBITION.

We hope our florist readers will not overlook the opportunity offered in the coming exhibition in Boston as announced in the large advertisement of H. Bayersdorfer & Co., on another page of this issue. It is a rare opportunity to inspect a complete collection of the newest and best things brought together for the florists' use from every part of the world—a privilege the value of which only those who have attended the exhibitions in connection with the S. A. F. conventions can fully appreciate. If you are a New England florist take a little jaunt to the Quincy House next week. It will be time well spent.

STEAMER DEPARTURES

Allan.	
Gramplan, Boston-Glasgow...	Apr. 14
American.	
St. Louis, N. Y.-S'hampton...	Apr. 16
Atlantic Transport.	
Minnehaha, N. Y.-London...	Apr. 9
Minnewaska, N. Y.-London...	Apr. 16
Cunard.	
Ivornia, Boston-Liverpool...	Apr. 12
Mauretania, N. Y.-Liverpool...	Apr. 13
Caronia, N. Y.-Liverpool...	Apr. 16
Pannonia, N. Y.-Med't'n...	Apr. 14
French.	
La Provence, N. Y.-Havre...	Apr. 14
Hamburg-American.	
Graf Waldersee, N. Y.-H'g...	Apr. 9
Kaiser Auguste Victoria, N.	
Y.-Hamburg	Apr. 16
North German Lloyd.	
Kaiser Wilhelm Der Grosse,	
N. Y.-Bremen	Apr. 19
Prinzess Irene, N. Y.-Med't'n...	Apr. 9
Barbarossa, N. Y.-Med't'n...	Apr. 16
Red Star.	
Finland, N. Y.-Antwerp...	Apr. 9
Vaderland, N. Y.-Antwerp...	Apr. 16
White Star.	
Baltic, N. Y.-Liverpool...	Apr. 16
Adriatic, N. Y.-S'hampton...	Apr. 9
Cretic, N. Y.-Med't'n...	Apr. 16

BUSINESS CHANGES.

Easton, Pa.—A. B. Kleinhaus has purchased the business of Paul Kaffke at Third and Church Sts.

Stamford, N. Y.—Willard Herrmans has purchased the violet house of W. Pink and took possession April 1st.

Atlanta, Ga.—Messrs. Borg & Erickson of the Chattanooga Floral Co. have purchased of Dr. Howell his interest in the Atlanta Floral Co. and took possession April 1st. Messrs. Borg & Erickson intend to rent the Chattanooga plant and give the new interest their entire attention.

Belvidere, Ill.—John W. Lyon has sold a half interest in his green houses and retail flower business to Herbert Anderson, his son-in-law, who takes his place with the local concern today. Mr. Anderson was formerly with Mr. Lyon at the Fairview greenhouses, but of late has been with M. C. Sadewater in the same line of business at Rockford.

ALEX. McCONNELL

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For Cape Cod, Martha's
Vineyard and Nantucket.

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Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.WILL TAKE PROPER
CARE OF YOUR ORDERS IN Wisconsin**THE BOSTON
CUT FLOWER CO.**

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

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Telephone, Main 3681.**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston**ROSENS**48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGEDana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.**CHICAGO NOTES.**

Among the Growers.

Chicago carnation growers are planting out their young stock in the field, work having begun the last week in March. This is the earliest that this has ever occurred in this vicinity, but the risk in the field is not so bad as the certainty of the stock being ruined under glass. The ground was so dry that the conditions are not altogether favorable on that account.

The writer noticed an interesting article on Spanish iris in the last number of HORTICULTURE. As noted in our flower market report, florists are growing it here very successfully under glass. One grower says he plants it between the rows of carnation plants in the fall, the same wire supports holding the iris and it comes into bloom without interfering in any way with the carnations, making the space do double duty.

A Wedding Decoration.

Differing from the usual decorations were those of the Stanley-Kimball wedding. Twelve white posts connected with ribbon outlined the path of the bridal party through the parlors. On the top of these posts were huge bouquets of white roses, excepting on those nearest the bride and groom, which were of lilies. The ceremony took place under a canopy of asparagus and white carnations. Fifteen small tables for the guests were trimmed with spring flowers and the bridal table was done in White Killarney roses and lily of the valley.

The Bowlers.

Interest in the bowling contest has kept up well and the end is nearly in sight. The club team has now but three postponed games to play to complete the necessary 81 and then the prizes will be awarded. Frank Pasternick, the head of the team, says that it will be immediately reorganized and that next season an evening will be selected which will not conflict with the meeting of the Florists' Club, as has been the case this season.

Personal.

Mr. and Mrs. J. W. Brooks have the sympathy of the trade in the serious illness of two of their children. Their little son, who was reported five weeks ago as undergoing an operation on his knee, as the result of a fall, is still at the hospital and their little daughter Daisy is now at the same hospital for an operation on her throat.

Chas. Drissler and Miss Mary Solt were married at St. Michael's Church last Tuesday morning. A reception was held in the evening at 4734 North Artesian avenue. Mr. Drissler has been with Wieter Bros. in the wholesale store for nine years and is very popular with the trade.

Mrs. Victor Bergman has just returned from a six weeks' visit at her old home in Pittsburgh. Mrs. Bergman is the daughter of Julius Ludwig, and Mr. Bergman is decorator-in-chief for the Wienhoeber Co.

Visitors: Mrs. J. Schroeder of Columbus, Neb.; Mrs. Schroeder was formerly Miss Malchea, florist, of Chicago; Milo Crozier, Cedar Rapids, Ia.; C. H. Woolsey, Rockford, Ill.

A PROGRESSIVE BUSINESS.

Messrs. Arthur Zirkman and Robert Shoch, suave and elegant representatives of M. Rice & Co., have been holding forth to the florists of the Hub this week with an excellent sample show of ribbons, baskets and florists' requisites innumerable. Among the things that particularly interested us were the preserved ferns and foliage of various kinds. *Adiantum cuneatum* so well done that it would defy detection by hand or eye and absolutely unfading; other *adiantum*s of the coarser species in autumn tints just as one would expect to find them in the woods in October; *Asparagus plumosus* and *Sprengeri* looking as if fresh cut. Among the baskets that attract admiration is the English "gathering basket," subdued green in color, first introduced by the Boston florist W. E. Doyle. A gold wall basket now largely used by Habermehl of Philadelphia, for large decorative effect, gives promise of being a valuable addition to the resources of the decorating florist. There are Etruscan art finished baskets in many artistic forms that one can't help admiring. A device with tinfoil mounted on a roller with cutter whereby it can be torn off in any length of piece desired struck us as something every florist will want. No doubt about it—the florists' supply business certainly keeps right up to the times.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany N. Y.—H. G. Eyres, 11 N. Pearl St.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 21 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 283 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1709 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2189-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talbly.

NEW FLOWER STORES.

Vineland, N. J.—Miss Lealman.

Wausau, Wis.—M. Phillips.

Great Falls, Montana.—M. Kranz, 405 Central avenue.

LILLIES
\$12.00 per 100.
WHITE and YELLOW DAISIES
\$1.50 and \$2.00 per 100.

VALLEY
\$3.00 and \$4.00 per 100.

SWEET PEAS
75c. and \$1.00 per 100.

KILLARNEY
a large supply of extra good quality.

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WHOLESALE FLORISTS
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WHOLESALE FLORISTS and SUPPLIES
CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	April 6		April 6		April 5		April 7	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 25.00	30.00	to 35.00	25.00	to 35.00	25.00	to 35.00
" Extra	15.00	to 20.00	20.00	to 30.00	15.00	to 20.00	15.00	to 20.00
" No. 1.....	10.00	to 15.00	12.00	to 20.00	8.00	to 15.00	10.00	to 15.00
" Lower grades.....	5.00	to 10.00	8.00	to 12.00	4.00	to 6.00	3.00	to 8.00
Bride, 'Maid, Chateaux, F. & S.....	5.00	to 8.00	6.00	to 8.00	8.00	to 10.00	5.00	to 8.00
" Lower grades.....	3.00	to 5.00	4.00	to 6.00	3.00	to 6.00	1.00	to 3.00
Killarney, My Maryland, Fan. & Sp.....	5.00	to 8.00	8.00	to 12.00	8.00	to 10.00	6.00	to 12.00
" Lower grades.....	3.00	to 5.00	6.00	to 8.00	3.00	to 6.00	1.00	to 4.00
Richmond, Fancy & Special.....	5.00	to 8.00	8.00	to 12.00	12.00	to 15.00	6.00	to 12.00
" Lower grades.....	3.00	to 5.00	6.00	to 8.00	3.00	to 8.00	1.00	to 4.00
CARNATIONS, Nov. and Fan.								
" Ordinary.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 2.50
" Ordinary.....	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	35.00	to 50.00	.....	to 60.00	40.00	to 50.00
Lilies.....	2.00	to 6.00	12.50	to 15.00	8.00	to 12.50	8.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Daffodils.....	1.00	to 2.00	2.00	to 2.50	.40	to 3.00	1.00	to 1.50
Tulips.....	1.00	to 2.00	2.00	to 3.00	2.00	to 4.00	1.00	to 1.50
Daisies.....	.50	to 1.00	.....	to 1.00	1.00	to 2.00	1.00	to 2.00
Snopdragon.....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	4.00	to 8.00
Hyacinths.....	3.00	to 4.00	3.00	to 4.00	1.50	to 2.00	2.00	to 4.00
Violets.....	.40	to .60	.75	to 1.00	.35	to 1.00	.20	to .60
Mignonette.....	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Sweet Peas.....	.25	to 1.00	.75	to 1.00	.50	to 1.00	.25	to 1.00
Gardenias.....	20.00	to 25.00	20.00	to 35.00	8.00	to 25.00	8.00	to 12.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.50	1.00	to 1.50
Smilax.....	.....	to 12.00	12.00	to 15.00	.....	to 25.00	12.00	to 16.00
Asparagus Plumosus, strings (100)	50.00	to 60.00	40.00	to 50.00	35.00	to 50.00	.....	to 50.00
" " & Spen. (100 bchs.)	50.00	to 60.00	40.00	to 50.00	35.00	to 50.00	to 50.00

The J. M. McCullough's Sons Co.
WHOLESALE COMMISSION FLORISTS

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Manufactured by

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.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

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In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

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Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. **Roses and Carnations Our Specialty**

Flower Market Reports.

BOSTON

So far as quotations are concerned, there is little change to report from last week excepting in the case of gardenias which after traveling along all season on parlor car rates have now come to the place where they must take a tumble. They are coming in from many sources and the question now is—as with other and more plebeian flowers—how to dispose of them. There is a heavy influx of material and it is not all unloaded easily, although all things considered, there is little to complain of. Much of the daily receipt is sold very cheap—to department stores and street stands or any other way to keep down the accumulation. Carnations are of splendid quality as a rule. Roses show little effect so far from the hot weather, but violets have practically succumbed. Among the roses Carnot shows up in beautiful form and looks enticingly summery. Sweet peas are seen in quantity, but in widely varying quality, the ordinary run selling slowly, the low-grade selling not at all and the fancy quality with stems a foot long and big luscious flowers being in quick demand at a figure from two to four times what is asked for average grade. As to lilies, the market is swamped with them and so it has been ever since Easter, many of them being sacrificed in the effort to maintain schedule rates.

CHICAGO

The condition of the market at the close of the week following Easter was about as bad as could be and the week following showed no improvement. Many of the old-time florists assert that never in their experience has trade so entirely dropped off at this time of the year. Stock in enormous quantities stands untouched upon the tables or accumulates in the ice boxes only to be carried off in barrels. Buyers no longer ask for prices, but state what they will give. Southern stock sells ahead of home-grown because if it comes through in good shape it is of better quality. Many large shipments, however, have come through heated and soft and have been a total loss. Many lay the conditions of the market largely to the early Easter which, like all other holidays, is always followed by a lull in business. Callas are in abundance and sell well for showy funeral work; but at a low figure. Mossae cattleyas are just coming into crop and gardenias are being shipped in considerable quantity. Spanish iris is now in the market. Last year it made its appearance a trifle later, though as Easter also was late it was in time for that event. Mr. Weiland of Evanston has grown it for the Chicago market for the last four years and Maywood growers also send in considerable quantity. It is very beautiful and sells readily when anything will sell. Trailing arbutus from the Michigan woods is in. It is not especially good quality, but no other flower has quite so much of the breath of spring in it for the Chicago people. Greenhouse stock has not only the excessive heat to endure, but this week has outdoor northern bulbous stock to compete with. Daffodils, tulips, jonquils, etc., home-grown, are

(Reports continued on page 525) A



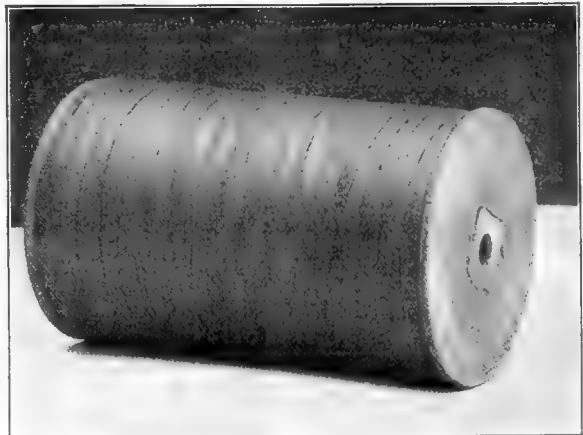
HIGHLY FINISHED TYING TAPES

This is the strongest, neatest and most economical tying tape we know, and should be used always where elegance and exclusiveness is desirable in tying flower boxes. Also very useful for tying mats and crepe paper around pots, etc. Price per spool of 1000 yards., \$1.75. Stock Colors: Foliage Green, Red, Light Blue, Violet, White.

Ribbons and Supplies.

Every florist using our ribbons feels that he has the latest and choicest the world affords, and that his work has that exclusiveness and individuality about it not obtainable in using inferior makes. We also have the finest line in florists' fancy pins and all kinds of supplies.

Send for Catalog.



CEDAR BARK.

Window Box time. Have you plenty of Cedar Bark? Bundles of about 25 square feet, \$1.00 each. Special price in quantity.

S. S. Pennock-Meehan Co.

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1608-20 LUDLOW STREET, PHILADELPHIA, PA.
1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	April 5		April 5		April 4		April 5	
ROSES								
Am. Beauty, Fan. and Sp.	25.00	to 25.00	25.00	to 30.00	30.00	to 35.00	20.00	to 25.00
“ Extra	15.00	to	20.00	to 25.00	20.00	to 25.00	12.50	to 15.00
“ No. 1	10.00	to	10.00	to 25.00	15.00	to 18.00	6.00	to 10.00
“ Lower grades	4.00	to 6.00	6.00	to 10.00	2.00	to 5.00	3.00	to 4.00
Bride, "Maid, Chateaux, F. & S.	6.00	to 8.00	6.00	to 8.00	7.00	to 10.00	8.00	to 12.00
“ Low gr.	3.00	to 4.00	3.00	to 6.00	4.00	to 8.00	8.00	to 12.00
Killarney, My Maryland, Fan. & Sp.	6.00	to 8.00	6.00	to 8.00	8.00	to 12.00	8.00	to 12.00
“ Lower grades	3.00	to 4.00	3.00	to 6.00	4.00	to 6.00	3.00	to 6.00
Richmond, Fancy & Special	6.00	to 8.00	6.00	to 8.00	10.00	to 12.00	8.00	to 12.00
“ Lower grades	3.00	to 4.00	4.00	to 6.00	4.00	to 6.00	3.00	to 6.00
CARNATIONS, Novelties and Fancy								
“ Ordinary	1.50	to 2.00	1.00	to 2.00	1.50	to 2.50	1.50	to 2.00
MISCELLANEOUS								
Cattleyas	50.00	to 75.00	.....	to	50.00	to 60.00	.....	to 75.00
Lilies	10.00	to 12.00	12.50	to 15.00	8.00	to 12.00	8.00	to 12.00
Lily of the Valley	.....	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Daffodils	.50	to 1.50	2.00	to 3.00	2.00	to 3.00	.....	to
Tulips	1.00	to 3.00	3.00	to 4.00	2.00	to 3.00	.....	to
Daisies	.....	to .50	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Snapdragon	4.00	to 10.00	4.00	to 6.00	3.00	to 5.00	4.00	to 8.00
Hyacinths	3.00	to 4.00	6.00	to 8.00	2.00	to 3.00	.....	to
Violets	.....	to	.50	to .75	.50	to .75	.25	to .75
Mignonette	4.00	to 8.00	4.00	to 6.00	2.00	to 3.00	2.00	to 4.00
Sweet Peas	.35	to .75	.50	to 1.00	.50	to 1.00	.50	to 1.00
Gardenias	30.00	to 40.00	.....	to	50.00	to 60.00	.....	to 75.00
Adiantum	.....	to 1.00	.75	to 1.00	.50	to 1.50	1.00	to 1.50
Smilax	.....	to 15.00	.....	to 15.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	35.00	to 50.00	to 25.00	40.00	to 50.00	30.00	to 50.00
“ “ & Spren. (100 bchs.)	25.00	to 35.00	to 25.00	35.00	to 50.00	30.00	to 50.00

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LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
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till 10 a. m.

Tel. 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

Finest Lilies in the Market Every Day in the Year.**CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Apr. 2 1910		First Half of Week beginning Apr. 4 1910	
American Beauty, Fancy and Special.....	25.00	to 35.00	25.00	to 35.00
" " Extra.....	15.00	to 20.00	15.00	to 20.00
" " No. 1.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, 'Told, Golden Gate, Fancy and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Killarney, Fancy and Special.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Fancy and Special.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
My Maryland.....	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy and Novelties.....	2.00	to 3.00	2.00	to 3.00
" Ordinary.....	.75	to 1.50	.75	to 1.50

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THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
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NOVELTIES**Manufacturer and Patentee of the Per-
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Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
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A. L. YOUNG & CO.

RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.

CONSIGNMENTS SOLICITED.

Flower Market Reports

(Continued from page 563)

adding their presence to the southern stock and the counters are filled to overflowing. Outdoor lilacs from Alton are also being received. They sell for 35 cents per bunch as against 50 cents last year. E. A. Hunt of Evanston is showing fine daisies of what he calls the California Giant variety for want of a better name. The stock was introduced by A. W. Myles three years ago, who grows it very successfully, but he has never named the variety. It blooms freely, comes on good long stems and sells readily.

Easter week turned

INDIANAPOLIS out all that could be desired. From

all accounts of the leading florists it was somewhat better than last year. The increasing demand was for flowering plants and some claim it was fifty per cent better than last year. The cut flower dealers claim that they did much better than the previous year. The month of March being warm and clear helped lilies, which it was feared would be scarce. But everybody had plenty and the sale was heavy. Other plants that were in heavy demand were azaleas, rhododendrons, hydrangeas, genistas, bulbous stock and various kinds of pot roses. The decorators say that the church decorations were the poorest in years.

Business at Easter

NEW ORLEANS this year was good and showed an advance over 1909. Buying during the early part of the week was very slow, but Saturday and Easter morning were a continuous rush. Lilies were scarce and a good many more could have been handled. The local supply as a rule was a little late and the flowers—mostly *Formosum*—shipped from the North were very mediocre in quality. The foliage was all brown at the tips and altogether not up to standard. A sharp advance in price was noted at the finish. Hydrangeas and rhododendrons were fine and met a ready sale. Many more light colored ones of the latter could have been sold. Azaleas, spiraea, Dutch hyacinths in pans, and lily of the valley were good and had a brisk call. Nice plant arrangements also caught the popular fancy. This market has never heretofore been strong on pot plants, but is improving greatly every year. Cut lilies were in short

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Whichever you are, you are invited to call or write. I can be of service to you the entire season. WHOLESALE FLOWERS ONLY.

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J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Apr. 2 1910		First Half of Week beginning Apr. 4 1910	
Cattleyas	35.00	to 50.00	35.00	to 50.00
Lilies	2.00	to 6.00	2.00	to 6.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Trumpet Narcis.....	.50	to 1.00	.50	to 1.00
Tulips.....	.50	to 2.00	.50	to 2.00
Violets.....	.25	to .50	.25	to .50
Nigronette	1.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bchs)	2.00	to 6.00	2.00	to 6.00
Gardenias	13.00	to 25.00	10.00	to 25.00
Adiantum	1.00	to 1.25	1.00	to 1.25
Smilax	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings	25.00	to 35.00	25.00	to 35.00
" " & Sprea. (100 bchs)	25.00	to 35.00	25.00	to 35.00

supply, but roses and carnations were plentiful and of fine quality. Lily of the valley, sweet peas and freesias were good sellers. Nice flowered orchids were much in evidence and sale for same was fair. A great many bouquets were placed in the cemeteries.

NEW YORK The flower market of the past week has been simply a rout

for the sellers. The unprecedented summer conditions continuing without a break has brought about a situation which has driven the wholesale dealers almost to distraction and furnished the street fakirs with inspiration for great deeds in the line of barter. Never before has such an experience been forced upon the flower trade and the street fakir is the only one who wants ever to see a repetition of it. But with all his pestiferousness it must be acknowledged that he is the right man in the right place in times such as these. He makes the price as he pleases, to be sure, but he does carry off the stuff, turns it to some account and it melts in his hands with a rapidity which astonishes and convinces the onlooker of the exhaustless consuming capacity of this great city. Where it all goes is beyond comprehension. On the other hand the regular store people buy less, instead of more, at such times and retail prices within the portals of the fashionable marts remain about as they were before the deluge.

PHILADELPHIA This market continues as it has been ever since Easter—buried under a perfect avalanche of flowers of every imaginable variety and quality. The larger wholesale marts are almost overwhelmed and a sufficient outlet seems an impossibility. The staple goods find the slowest sale, odds and ends of unusual things being snapped up when good. Perhaps the greatest sufferer in the slump is the gardenia. It has broken badly in price and is moved with difficulty at that.

New York.—Real estate changes and rebuilding necessitate the removal of several well-known wholesale flower establishments from the locations which they have occupied for many years. Among them are Walter F. Sheridan and Traendly & Schenck, who have taken the entire floor and basement in the new building at 131 and 133 West 28th street. These stores are very large—giving each firm double the area they have had heretofore. They will move before May 1. At the same time the Growers' Cut Flower Company will remove from 39 to 41 W. 28th street.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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AGAPANTHUS

Agapanthus, sturdy field plants, 25c. each; \$2.00 per dozen; \$12.00, 100; smaller plants, 5c. Wild Plant Improvement Gardens, Santa Ana, Cal.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, 5000 strong field stock, 18 to 24 live tops at 4c., also 50,000 privet, 20 to 30, 18 to 24 and 15 to 18 in. Write Benj. Connell, Merchantville, N. J.

Ampelopsis Veitchii, pot-grown, 2 to 4 ft., 6c. Levant Cole, Battle Creek, Mich.

ARAUCARIAS

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Elmer D. Smith, Adrian, Mich.
Asparagus Sprengerii.
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Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

ASPARAGUS FOR GARDEN

Asparagus Roots and small Fruits, XX very fine, 2 years' asparagus, \$1.25 per 100; \$5.00 per 1,000. X very strong, \$1.00 per 100; \$4.00 per 1,000; No. 1, 2 year, 75c. per 100; \$3.00 per 1,000. For prices of Strawberries and other small fruit, send for circular. Chas. Black, Hightstown, N. J.

50,000 extra strong 2 and 3-yr. asparagus roots, mostly Palmetto, 2-yr., extra heavy, \$1.00 per 100, \$4.00 per 1000; 3-yr., very fine, \$1.25 per 100, \$5.00 per 1000, packed free. Guaranteed to please. Chas. Black, Hightstown, N. J.

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Jas. Vick's Sons, Rochester, N. Y.
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A. Leuthy, Roslindale, Mass.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Edward Wallis, Atco, N. J.
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2000 2 in. coleus, 9 best bedders, \$15.00 per 1000; 2000 3 in., same varieties, \$20.00 per 1000. Cash, please. C. L. Van Meter, Monticello, Ia.

BEGONIAS

Robert Craig Co., Philadelphia, Pa.
Lorraine, Young Stock.
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Begonia Lorraine and Agathe, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

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Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

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Box Trees all sizes. Ask for special list. Julius Roehrs, Rutherford, N. J.

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Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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I. M. Rayner, Greenport, L. I., N. Y.
Rooted Cuttings.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CENTAUREAS

Centauras, Emperor William, double blue, double white, 25c. per 100; \$2.00 per 1000. W. E. Trimble Greenhouse Co., Princeton, Ill.

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For page see List of Advertisers.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Gloria, a large early Enchantress pink mum; Pres. Taft, a huge glittering white midseason; both have stems and foliage unsurpassed. Rooted cuttings now ready, \$1.00 per 25 prepaid; \$3.75 per 100. Gloria, 2½-in., \$5.00 per 100. Chas. Frost, Kenilworth, N. J.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria \$4.00 per 100; \$35.00 per 1000. Virginia Poehlmann, \$2.50 per 100. Baby Margaret, \$3.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

Chrysanthemums, rooted cuttings: Polly Rose, T. Nonin, Yellow Bonaffon, Ivory, Amorita, \$7.50 per 1000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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300 Cinerarias, 3½ in., budded, nice plants, ready for 5 in.; nice mixture, 8c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

CLEMATIS

Clematis paniculata, in 1½ in. pots, strong, well rooted plants, fine for mailing or lining out. 2½c. each; \$20.00 per 1,000; \$18.00 per 1,000 in 5,000 lot. Cash. H. G. Norton, Perry, Lake Co., Ohio.

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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Cyclamen splendens giganteum hybrids. The strain which I offer is unsurpassable. August seedlings twice transplanted from flats, in five colors, including fringed varieties, \$3.00 per 100, \$25.00 per 1000; from 2½-in. pots, \$5.00 per 100, \$45.00 per 1000. Paul Mader, East Stroudsburg, Pa.

Cyclamens—finest stock—in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs, Rutherford, N. J.

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Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Acto, N. J.
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J. L. Moore, Northboro, Mass.
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Dahlia Bulbs, all varieties listed below 5c. each, 50c. per doz., \$4 per 100.

Cactus Varieties: Bertha Mawley, Caneels Gem, Capstan, Charles Woodbridge, Dr. Jameson, Earle of Pembroke, Gabriel, General Buller, Galliard, Island Queen, J. P. Clark, John Roche, Kriemhilde, Lady Edd Talbot, Mary Servace, Matchless, Mrs. Bennett, Mrs. Chas. Turner, Montefiore, Mr. Moore, Queen Wilhelmina, St. Catherine, Starry Crown, Uncle Tom, Volker, Wilhelm Miller.

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Above stock is field-grown, sound and true to name. Catalog free to all. C. Peirce, Dighton, Mass.

Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yelive, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, Kriemhilde, Wm. Agnew, Zulu and other varieties, strong divisions, 5 cts. each; also Gladioli, Groffs Hyb. seedlings, \$1.00 per hundred. E. R. Macomber, 20 Leonard St., Woodfords, Maine.

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

DAHLIAS—Continued

Dahlias. C. W. Bruton, good yellow, and Sylvia, long stemmed pink. Either field clumps or divided. Write for prices. E. E. Stewart, Rives Junction, Mich.

Dahlia bulbs, mixed varieties, while they last, \$1.00 per bushel. S. C. Smith, Floriculturist, Canton, Ohio.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

400 Marguerite Daisies, large white, large branchy plants, from 3 in., ready for 5 in. or bench. Just right for Memorial Day; well budded, 5c. Cash. W. J. Schoonman, Danielson, Conn.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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A. N. Pierson, Cromwell, Conn.
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Robert Craig Co., Philadelphia, Pa.
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1000 Boston Ferns, 2 in. pots, 3c.; \$25.00 for the lot, or will exchange for Nutt geraniums, white Perfection, Enchantress and Wusor carnation. E. A. Chipman, Woonsocket, R. I.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

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Wm. Elliott & Sons, New York, N. Y.
Clay's Fertilizer.
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FEVERFEW

Feverfew R. C. 75c 100 prepaid. Chas. Frost, Kenilworth, N. J.

FLORISTS' ENCYCLOPEDIA FREE

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100, 3-in. \$4.00 per 100. Mme. Sallerol out of 2 inch, fine plants, \$2.00 per 100. Verbenas out of 2 inch, separate colors or mixed, \$2.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbrer, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

Rose Geraniums 2½ in. \$2.50 per 100. Chas. Frost, Kenilworth, N. J.

GLADIOLI

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Arthur Cowee, Berlin, N. Y.
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E. S. Miller, Wading River, L. I., N. Y.
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Gladioli—Brenchleyensis and Buchanan, first and second sizes, also planting stock of same at special prices. Other varieties and strains. Contracts made for fall delivery. My soil, climate and method are well adapted to the production of mature, sound stock. John H. Umpleby, Lake View, N. Y.

Gladioli. Groffs Hybrids. White light and yellow mixture. Pink and shades of pink mixture. All first sized bulbs, at \$1 per 100, \$7 per 1000. C. Peirce, Dighton, Mass.

In writing to Advertisers kindly mention Horticulture

GLADIOLI—Continued

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

Gladiolus seed from choice mixture, \$2.00 per lb. C. V. Woodruff, Orange, Conn.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa. Peerless Glazing Point. For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

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Hitchings & Co., 1170 Broadway, New York. For page see List of Advertisers.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

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Parshelsky Bros., Brooklyn, N. Y. For page see List of Advertisers.

HYDRANGEAS.

Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2 1/4-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

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Nicoticide kills all greenhouse pests. P. R. Palethrope Co., Owensboro, Ky. For page see List of Advertisers.

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IRIS

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IRIS—The very best out of 500 sorts. C. Betscher, Canal Dover, O.

IRON VASES

Walbridge & Co., Buffalo, N. Y.

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C. R. Burr & Co., Manchester, Conn. For page see List of Advertisers.

Dingee & Conard Co., West Grove, Pa. Ornamental Shrubs. For page see List of Advertisers.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

OLD ENGLISH GLAZING PUTTY

Hammond's Paint & Slug Shot Works, Fishkill-on-Hudson, N. Y.

ONION SETS

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ORCHID PLANTS

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Sander, St. Albans, England. Importer, Exporter, Growers, Hybridists. For page see List of Advertisers.

C. W. Brownell Co., Walden, N. Y. Orchid Peat (Osmunda Fibre).

Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs, Rutherford, N. J.

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ORCHID PLANTS — Continued

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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John Scott, Brooklyn, N. Y.

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A. N. Pierson, Cromwell, Conn.

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PANSY PLANTS.

Ready now. 250,000 fine large fall transplanted Pansies in bud and bloom. Superb strain, the finest market strain grown. A trial order will convince you that these are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10.00 per 1000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

Pansies, fall transplanted, best mixed Giants, stocky plants, \$1.00 per 100; \$10.00 per 1000. Cash with order. Brown Bros., 904 S. Broad St., Carlisle, Ill.

Pansy plants, from fall sown seed, 50c 100 prepaid; \$3.00 1,000 by express. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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PELARGONIUMS

200 Pelargoniums, 4 in., large plants, mostly budded, good variety, 10c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

PEONIES

The E. G. Hill Co., Richmond, Ind.
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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

Double Petunias.

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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Henry A. Dreer, Philadelphia, Pa.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIVET

West Jersey Nursery Co., Bridgeton, N. J.
California Privet.

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California Privet, 10 to 15 inches, branched, \$10.00 per 1000; larger sizes at low rates. E. Y. Teas, Centerville, Ind.

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Grafted Roses.

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Eastern Nurseries, Jamaica Plain, Mass.
New Dawson Rambler Roses.

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Rambler roses, 2-year, field stock, six kinds, 7c. Levant Cole, Battle Creek, Mich.

The Rose by H. B. Ellwanger; mailed for \$1.50 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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Seed Potatoes, Radish, Cabbage, Onion Etc.

James Vick's Sons, Rochester, N. Y.

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SHELF BRACKETS

King Construction Co.,
North Tonawanda, N. Y.

SILKALINE

John C. Meyer & Co., Boston, Mass.
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SMILAX

Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.

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SOUTHERN SMILAX

Louisville Floral Co., Louisville, Ala.
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SPHAGNUM MOSS

Sphagnum moss, best quality, 80c. per bale; 10 bales, \$7.00. Cash with order. Write for prices on larger quantities. L. Amundson & Son, City Point, Wis.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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SPRAYING OUTFITS

J. G. Mastin & Co., Chicago, Ill.

STEVIA

Stevia rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

Strawberry Plants and Asparagus Roots. All the leading varieties, and at prices that are right. Catalog free. C. Peirce, Dighton, Mass.

STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.

SULFOCID

B. G. Pratt Co., New York, N. Y.
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In writing to Advertisers kindly mention Horticulture

SULPHUR BURNER

Benjamin Dorrance, Dorrance, Pa.

SWEET PEASA. C. Zvolanek, Bound Brook, N. J.
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Leaved, Lemon Scented Thyme. Per doz.
80c., per 100 \$4.00. Wild Plant Improve-
ment Gardens, Santa Ana, Cal.**TRITOMAS**Tritoma Pfitzerii, red hot poker plant,
\$8.00 per 100; \$50.00 per 1000. Thomas J.
Oberlin, Sinking Spring, Pa.**VEGETABLE PLANTS**R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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CABBAGE—Jersey, Chas. Wakefield,
Early Spring and Succession, \$1.00 per
1000; \$8.50 per 10,000. \$3.00 transplanted.
TOMATOES—Comet, Livingston's Beauty
and Dwarf Champion (80c. per 100, trans-
planted), 2 in., \$2.00. Fine stock.
LETTUCE—Big Boston, Boston Market
and Grand Rapids, \$1.00 per 1000; trans-
planted plants, \$2.50.
PARSLEY—25c. per 100; \$1.25 per 1000.
ASPARAGUS roots, Conover's Colossal
and Palmetto, very fine, \$1.00 per 100;
\$4.00 per 1000.
Cash with order. W. E. Trimble Green-
house Co., Princeton, Ill.

VENTILATING APPARATUSPierson U-Bar Co., 1 Madison Sq., N. Y.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
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100 prepaid. Chas. Frost, Kenilworth, N. J.**VINCAS**Vinca variegata rooted cuttings, 75c per
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AND CALIFORNIA.**Rooted runners, clean and free from
disease. Cash with order. \$1.00 per 100;
\$8.00 per 1,000. Special price for large
quantity. Jacques Gillmet, Moylan, Dele-
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Green Silkline.
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Morristown, N. J.—St. C. Holmes re-
ports on Easter trade that cut flower
demand was about normal, but he
had a tidal wave in plant trade. Mrs.
E. A. Holton reports a large church
decoration trade. Business altogether
much better than last year. John
Greenwald, while only a year in busi-
ness, had a satisfactory experience,
with a very heavy run on carnations
and roses and pans of freesias. Mar-
cus Force did a thriving business, too;
lilies and azaleas were the main fea-
tures.

Concord Junction, Mass.—Leonard
Cousins reports the Easter business
as the best on record. Mr. Cousins
grows carnations in quantity for the
wholesale market and a new house for
this specialty is to be erected for him
this summer by the King Construction
Co., which will be planted with 15,000
White Perfection. This variety, Win-
sor and Beacon were the winners for
Easter. Pansies and geraniums and
a general line of bedding plants will
occupy attention now.

Detroit reports an enormous supply
of flowers with heavy demand, and a
rivalry between fakirs and department
stores in price-cutting on carnations.

IN BANKRUPTCY.**San Francisco, Calif.**—Alex. Mann,
Jr., liabilities \$3,062, no assets.**Woodside, N. Y.**—Mrs. H. Dreyer
has sold the estate on which are lo-
cated the plant houses of the late Her-
mann Dreyer, to the Terminal Heights
Realty Company, for \$130,000.

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Address, Roland Park Co., Roland Park, Baltimore, Md.

WANTED—Young man who thoroughly understands Orchids, and with experience with Sweet Peas, Carnations and Garden Stuff. Write giving full particulars as to experience to the Altimo Culture Co., Canfield, Ohio.

WANTED—Good salesman in wholesale cut flower establishment in eastern city. Address S. P., care HORTICULTURE, Boston.

WANTED—Experienced, well recommended clerk in prominent retail store, eastern city. Good wages. Address S. P., care HORTICULTURE, Boston.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

SITUATIONS WANTED

GARDENER—Landscape and floriculturist, has talent and fondness for his profession; competent to take charge of large estate; Swiss, 37 years of age; married; two children; wages \$70 and house. S. A. Leuba, 47 West 129th St., N. Y. City.

SITUATION WANTED—A head gardener on private estate, no small place. Single, American, 10 years' experience. G. Donovan, Sterlington, Buckland Co., N. Y.

FOR SALE

GREENHOUSE PLANT cost \$8000, 1908. Price \$5,000, cash. Big trade for someone. Owner dead. Hodge.

GREENHOUSE PLANT 12 miles from Boston, 8 acres, 8 large houses, \$15,000, \$5,000 down. Hodge.

GREENHOUSE PLANT 19 miles from Boston, several big houses, 2 sets buildings, 2 orchards, 55 acres nice land, R. R. Sta. 1 min. from office, \$20,000, \$5,000 down. Mr. Hodge, 8 Grand View Ave., Somerville, Mass.

FOR SALE OR RENT—Twenty-six thousand square feet of glass and five acres of land. Will sell on easy terms or rent for term of years. Only eight miles from loop (center) of Chicago. Good condition. Write at once if interested. AUGUST ERICKSON, 3437 Foster Ave., Chicago, Ill.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 69 Montrose Ave., Brooklyn, N. Y.

Cheap land for a bulb grower; some basket material; ideal place for man wishing to retire. A. G. Cobb, Anna Maria, Fla.

Obituary.

Mrs. George M. Stumpp.

On the morning of April fifth, there passed away, in New York city, after a brief illness, one of the most estimable women that ever lived. Impulsively kind and generous, sunny of disposition and possessing a rare nobility of character, Mrs. Stumpp was beloved of a host of friends and Mr. Stumpp will have the sympathy of all in his irreparable loss. They were booked to sail for Europe on the 24th of May to spend the summer at Mr. Stumpp's home in Goenningen with his venerable mother. There will be sincere sorrow in Goenningen where Mrs. Stumpp was simply adored by the people of the neighborhood, when they learn of the death of their beloved American friend.

Joshua L. Wilcox.

Joshua L. Wilcox for 33 years a resident of Flint, Mich., died at the home of his son, Miles E. Wilcox, 948 Ave. A, on March 24th. Mr. Wilcox was born in Naples, N. Y., in 1837 and came to Michigan when four years of age. He came to Flint in 1871 and for 33 years lived here and conducted a greenhouse and truck garden for 26 years. The funeral was held Saturday, the 28th.

Mrs. George E. Fancourt.

Emma J. Fancourt, widow of the late George E. Fancourt, of Wilkesbarre, Pa., died on March 31, aged 49 years. Mrs. Fancourt had been an invalid for the past four years. She was born in London, England, and came to this country about 28 years ago. She is survived by two sons, George C. and Walter A., and two daughters, Helen M. and Edith C. Fancourt.

Mrs. E. C. Myers.

Mrs. E. C. Myers, who was engaged in the retail florist business at 79 South German St., Harrisonburg, Va., passed from this life March 29th "to where the flowers are always blooming."

CATALOGUES RECEIVED.

S. C. Moon, Morrisville, Pa.—Wholesale Price List of Morrisville Nurseries, spring 1910.

Thompson Carnation Company, Joliet, Ill.—Folder and Price List of Carnations, Chrysanthemums, Violets, Season 1909-1910. Quotations on rooted cuttings and pot plants.

Coolidge's Fernery and Rare Plant Nursery, Pasadena, Cal.—Catalogue of Rare Plants. This is a neat little illustrated pocket list of novelties and specialties in fruit and ornamental plants.

American Forestry Co., Little Tree Farms, South Framingham, Mass.—Catalogue and Price List for 1910. Anyone contemplating handling young trees in quantity will find this catalogue very useful.

Harlan P. Kelsey, Salem, Mass.—

Hardy American Plants. *Azalea lutea*, growing in its habitat in the Carolina Mountains, and *A. Vaseyi*, in natural colors, adorn the covers of this very interesting and beautifully illustrated catalogue.

Thos. Meehan & Sons, Germantown, Philadelphia, Pa.—Meehan's Garden Bulletin. This publication is issued monthly. It contains interesting information and comment on new and desirable garden material. The illustrations are particularly good.

Good & Reese Co., Springfield, Ohio—Spring Trade List, 1910, for Florists, Nurserymen and Dealers Only. Especially strong on roses, of which the list is large. A fine illustration of *Hydrangea arborescens grandiflora* appears on the title page.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago, Ill.—Garden Guide, Spring, 1910. A complete general catalogue of flower and vegetable seeds, plants and shrubs. A flower of *Malva Marvel* in colors makes an attractive cover illustration.

Chicago Carnation Co., Joliet, Ill.—List of New and Standard Varieties for 1910. This is a high-class production. Among the excellent illustrations is a flower of *Conquest* in natural colors, which is the best color reproduction of a carnation we have yet seen.

Schaum & Van Tol, Boskoop, Holland; McHutchinson & Co., New York, agents.—Wholesale Trade List of Nursery Stock for 1910-1911. A comprehensive list of azaleas, rhododendrons, roses and other import specialties for forcing and outdoor planting.

Palisades Nurseries, Sparkill, N. Y.—1910 Wholesale Price List of Hardy Perennials, Roses, Evergreens, etc. This presents an excellent general list and also valuable novelties and specialties in which the florist and ornamental nursery trade should find much to interest.

John C. Moninger Co., Chicago, Ill.—Catalogue No. 6, Pipe and Fittings. A very complete and useful publication, compiled with great care and one which every greenhouse owner or manager should have within reach at all times. It tells the whole story about pipe and fittings. 100 pages. Send for a copy.

J. K. Alexander, East Bridgewater, Mass.—Catalogue of Dahlias for 1910. Mr. Alexander has the cognomen of the Eastern Dahlia King and his catalogue seems to bear out his right to same. Anyone looking for the real thing in dahlias will find this catalogue well-filled with it.

Bertrand H. Farr, Wyomissing, Pa.—"Hardy Plants." Irises, peonies, phloxes, delphiniums and all those gorgeous tenants of the hardy border have their innings in Mr. Farr's catalogue. Mr. Farr is a lover of these beauties and the simple perusal of his pages will inspire enthusiasm in the reader. Irises and peonies in colors embellish the covers and there are within some noble halftone illustrations.

CARNATIONS GROWN UNDER GLASS.

A Paper Read Before the American Carnation Society by Fred. Burkl.

When I consented to read a paper on my experience in growing carnations under glass I meant carnations planted under glass in place of the field, as it is still an open question with most of us which method is the best, and with your permission I will confine my notes on this subject.

In the early nineties I set out some plants under glass in the spring with the object of getting salable flowers in the early fall, as at that time we did not house carnations as early from the field as we do of late years. The variety was Mrs. Fisher, which I at that time grew as my principal white and with which variety I had for some years great success, but only in solid beds, as it did not do well for me on raised benches.

I found that stock out of 3-inch pots planted under glass in spring gave me good flowers when such were scarce, say in September, October and November, and bloomed through the season as well as did those planted from the field. They did not make as much surplus grass but grew more slender with equally as good flowers and longer stems than the field-grown product and they could be planted closer. The soil I used at that time was taken from an ordinary piece of garden ground, as I could not procure sod, being located in one of the city suburbs. This piece of ground was manured heavy in the spring with cow manure ploughed in and kept ploughed through the summer. Sometimes we manured it a second time and pulverized it with the harrow before taking it into the houses.

Another variety I grew with great success at that time was Hector, a scarlet, which did better with me than any other red at that time and for some years after. The only fault it had was weak stems, and I had to give it up when the trade insisted on stiff stems. Hector grew very tall under glass in summer, but bloomed much better that way than when planted from the field. I simply could not make Hector pay when planted from the field and it did its best when I planted it in beds prepared in spring and cultivated the same as if under glass, and before fall built a greenhouse over it. I am of the opinion that this way of growing carnations on beds with no glass over them in summer until fall would be ideal if it were practical, but we find it impossible where we are located and with the kind of houses we build now.

Some years ago Uncle John Wyland said to me one day about the beginning of June, "I am going to take the glass out of my carnation house, clean it out, and plant the young stock in it in place of into the field." I said to him, "You are going to have a big job met him again and he said to me, "You cannot believe how quick we got that glass out and put away; it took us about two days." I said to him, "Well, you will find it a bigger job putting it in again in the fall and you have now no carnations to sell when I can get good money for them, \$2.00 per 100." He never did it again, although the carnations were a success.

Of late years we aim to plant the

Tobacco Paper

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**STRONGEST,
BEST PACKED,
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CHEAPEST.****JUST NOTE PRICE!**

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Lawson varieties under glass instead of in the field. In this way we get earlier flowers and longer stems than we can from the field-grown plants, and unless we can house these varieties from the field by the first week in July, they hardly give us a first crop before the holidays and short stemmed flowers not up to the mark. We propagate them during December and January and get them into 4-inch pots by May. I find, though, that unless planted under glass not later than the first week in June, field-grown plants planted by the end of June or first of July are more satisfactory, as the plants in pots are liable to suffer during June from one cause or another.

The spaces we are able to plant in May are the beds we had in chrysanthemums the fall previous. Following these we take out a crop of Grand Rapids lettuce, then fill with potted-up cuttings of carnations. We prefer them all in pots as they come from the cutting bench, so that the plants will not suffer much if the ground happens to be dry and we cannot get them watered right away. Then as soon as the plants are in the field, we plant this empty space with Lawson and Winsor.

The soil we use is sod ploughed about 4 inches deep the fall previous; then before we bring it in we plough in a good coat of rotten manure, pulverizing it with the harrow. I have found that soil prepared this way in the open field is sweeter than when it is put up in heaps, and the labor is less. Besides, the sod piles are apt to sour unless they are turned and cut down, which means much work for the laborers.

I have found that other varieties than the Lawsons also do very well when planted under glass in spring; I rather think nearly all varieties would if we could only get the houses ready for them without having to sacrifice hundreds or thousands of dollars' worth of flowers to do it.

CLAY'S**For Fertilizing the Soil****56 lb. \$3.25****WM. ELLIOTT & SONS,****42 Vesey St., New York.****Immediately Available Plant Food****EVERGREEN BRAND FLOWER FERTILIZER**

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

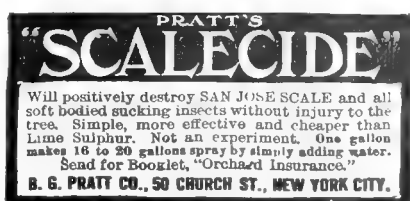
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Put up in 12 pound cans, price \$2.00

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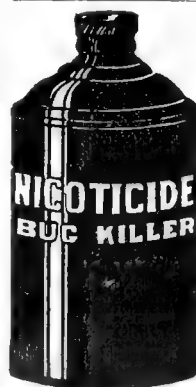
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Shredded or Pulverized**

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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31 Union Stock Yards Chicago

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Bug Killer and
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Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection, window and carriage washing; wherever you use it, the Deming "Perfect Sprayer" will save time and trouble and does better work.

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Hand and power, twelve types, in all kinds; designed and tested by the best growers, arborists, landscape architects, Experiment Station experts. Catalogue and spraying schedule free. Write for Deming Pumps for all uses. Ask your dealer.

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WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

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LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.,
CHICAGO, ILL.

GREENHOUSE BUILDING OR CON- TEMPLATED.

Port Huron, Mich.—John Jowett, one house.

Dover, N. J.—Payne & Louis, addition.

Pittsburg, Pa.—F. H. Westhoff, addition.

Findlay, Ohio.—J. J. Waaland, violet house.

Eldora, Ia.—J. S. Pollard, range of houses.

Roscoe, Ill.—Arthur Briscoe, range of houses.

Dover, Me.—Fred Norris, Spring St., one house.

San Francisco, Calif.—F. Pelicano, one house.

South Evanston, Ill.—Engle Bros., two houses.

Newburyport, Mass.—F. S. Moseley, conservatory.

Gradyville, Pa.—Howard Keller, range of houses.

Barker, N. Y.—J. A. Spafford, two houses, 21 x 100 feet.

St. Louis, Mo.—W. J. Pilcher, range of houses this summer.

Oakland, Calif.—M. H. Morse, Piedmont Ave., show house.

Uxbridge, Mass.—High Street Greenhouses, addition, 20 x 75 feet.

Mobile, Ala.—Minge Floral Co., addition to be devoted to roses.

Clayton, Mo.—A. Werner & Bro., two rose houses, 32 x 165 feet.

Chicago, Ill.—Cleason Bros., 6150 North Robey St., range of houses.

Morristown, N. J.—Sunnyside Greenhouse, E. Blackwell St., one house.

Grand Rapids, Mich.—Freylings & Mendels, Freyling Court, one house.

Cranston, R. I.—Geo. D. Fenner, Scituate Ave., carnation house, 30 x 100.

Elmhurst, Calif.—H. Hayashi & Co., five carnation houses, each 25 x 125 feet.

Florence, S. C.—De Witt House, house 50 x 200 feet to cost about \$4,000.

Ballston Spa, N. Y.—Richard Schaefer, Church Ave., general purpose house.

Fort Smith, Ark.—A. A. Pantet & Co., two houses, 20 x 150 feet, the coming season.

Bound Brook, N. J.—Thomas Young, Jr., house 28 x 161 feet. Hitchings & Co., construction.

Murray Hill, N. J.—L. B. Coddington, house 55 x 425 feet. Hitchings & Co., construction.

Lafayette, Ind.—Bids for the construction of a greenhouse will be received April 7th by A. C. McCorkle, president of the Board of Trustees of the Indiana State Soldiers' Home.

Scranton, Pa.—The plans for the greenhouse in Nay Aug Park, which is a gift to the city from John Cleland, have been changed and a small section will be reserved for a conservatory. Present plans indicate that the structure will be ready by June 1st.

Emporia, Kans.—Emporia Floral Co., East St. and 12th Ave., house 54 x 100. This gives them two houses with an area of 8,000 square feet of glass. The houses have a concrete foundation. The company is a partnership of J. Ralph Sander and E. M. Robison.

NEWS NOTES.

Kankakee, Ill.—The slipping of the stays is believed to have caused the tank on the 30-foot tower at the Schaefer greenhouse to fall on March 24th. It crushed one corner of the greenhouse, doing damage to the extent of about \$150.

Normandie Park, N. J.—Dudley Allcott has a new greenhouse plant completed, cost about \$20,000. An added feature to his estate is an extensive Italian garden embellished with rare statuary. Joseph Barbanes from Bernardsville, N. J., took charge as superintendent April 1st.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

	Diam.	Each.	Doz.	100.
A 11 in.	.65	7.15	55.00	
B 12 1/4 "	.75	8.25	65.00	
C 13 1/4 "	.85	9.35	75.00	
D 14 1/4 "	1.00	11.00	90.00	
E 15 1/4 "	1.25	13.75	110.00	
F 16 1/4 "	1.50	16.50	130.00	



Three largest sizes have handles.

Special PAIL TUBS.
8 inches, .30 3.50 28.00
11 " .30 3.50 28.00

Painted Green
HENRY A. DREER
714 Chestnut Street
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 "	5.25	120 7 "	4.20
1500 3 "	6.00	60 8 "	3.00
1000 3 1/2 "	5.00	HAND MADE	
800 3 3/4 "	5.80	48 9 in. pots in crate	\$3.60
500 4 "	4.50	48 10 "	4.80
450 4 1/2 "	5.24	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
210 5 1/2 "	3.78	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Brqs., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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Catalogue for 1910 on application.

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28th & M Sts., Washington, D. C.

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is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

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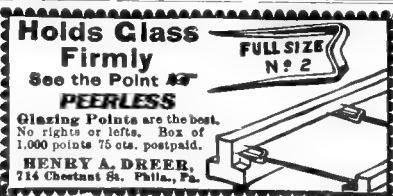
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Regular or Braided

Fully Guaranteed

Plant Bed Cloth Mineralized Rubber Co.

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Holds Glass Firmly
See the Point #1
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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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Course includes Greenhouse Construction and Management and the growing of Small Fruits and Vegetables as well as Flower. Under Glass
Personal Instructions. Expert Advice
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Can not Crack**

Water Space in Front, Sides and Back
The Most Popular Boiler Made

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GREENHOUSE
for new structure or repairs.

Hot Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

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Ventilating Machine**

The order for ventilating apparatus or greenhouse fittings, which you were too busy to send to us before Easter, will be appreciated now. We assure you of our most careful and prompt attention to your order, also our lowest prices and best material. The Advance Machine is growing in popularity among the florists day by day. Perhaps you would like to receive our estimate and circulars before ordering. Write us and we will cheerfully send you the same.

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Saves time and insures better service.
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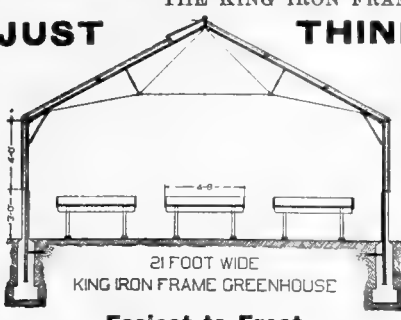
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"THE KING IRON FRAME House has made good."

JUST THINK WHAT IT MEANS

**42' 0" HOUSE STANDS
"LIKE A STONE WALL"
IN 70 MILE GALE**

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CARL JURGENS, 4 Houses 28 x 200, Newport, R. I.



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KING IRON FRAME GREENHOUSE

Easiest to Erect

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CYPRESS SASH BARS

32 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

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ERECTED AND EQUIPPED COMPLETE IF DESIRED

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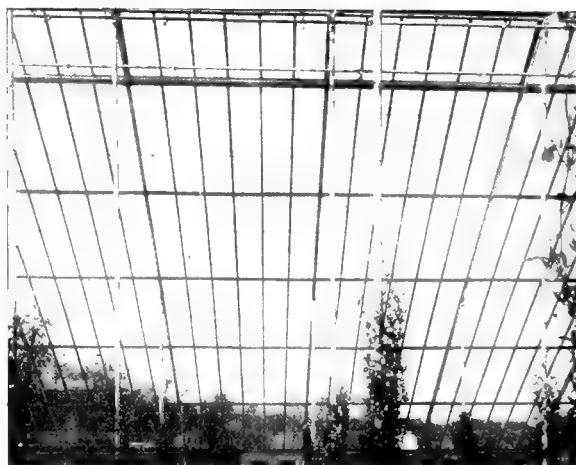
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55 feet wide, 425 long, Iron Rafter Construction. Ridge 23 feet high, sides 6 feet. The southern side has a continuous row of solid ventilating sash below the sill, operated in 175 feet runs by our New Long Run Gear.

This house is one of half a dozen others we have erected for Mr. L. B. Coddington, Murray Hill, N. J., in the last few years. He has just ordered its twin for erection this spring. When you are ready to build, write us.

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Columns in a house of any considerable width are a necessity. There is a structural danger line, which if you pass, you simply take chances—and mighty long ones at that.

The Sectional Iron Frame Construction has the fewest columns of any safe construction. It's safe to be on the safe side. Let the other fellow take the risk.

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New York	Boston	Philadelphia	Chicago
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This shows the startling lightness of a U-Bar interior. Write to **PIERSON U-BAR COMPANY**, 1 Madison Avenue, New York, for their Catalog.

HORTICULTURE

Vol. XI. APRIL 16, 1910 No. 16



EASTER DISPLAY AT THE FRICK CONSERVATORIES, PITTSBURGH

Devoted to the
*FLORIST, PLANTSMAN,
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and
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LET US KNOW U

M. RICE & COMPANY'S VALUE

The Business Bringer

Advertising is excellent. The House which doesn't advertise nowadays is headed for "Extinction Street." We have used many forms of publicity and found that all have merit of some sort, but the best advertising of all can be summed up in two words,

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Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

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Lilium Auratum 8 to 9 inches (130 in a case)
\$4.50 per case.

Lilium Speciosum Albums, 8 to 9 inches (220 in a case) \$13.00 per case.

Cycas Stems, 3 to 8 lbs. (300 lbs. to a case) \$16.50 per case.

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Largest Grower in America
Box B, DUNDEE, ILLS.

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The best cuttings that can be had, and at right prices.

Now booking orders for early delivery.							
	Per 100	Per 1000			Per 100	Per 1000	
WHITE			WHITE				YELLOW
Oct. Frost.....	\$2.00	\$15.00	T. Eaton.....	\$2.50	\$20.00	Golden Glow..	\$2.00 \$15.00
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Wanamaker ..	2.00	15.00	PINK			Golden Chad-	
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Carnation cuttings in best varieties, also, BEACON one of our best.

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STRONG DORMANT ROOTS, Jean Tissot, Pennsylvania, Louisiana, Alph. Bouvier, \$1.50 per 100, \$10.00 per 1000.

	2 inch	3 inch		2 inch	3 inch
	100	1000		100	1000
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Cineraria , Maritima Candidissima	2.00	18.50	3.00		
Hardy Chrysanthemums , Good Varieties ..	2.00				
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Best Standard Varieties

Strong 4 inch pot plants in bud and bloom **\$7.00 per 100, \$65.00 per 1000.**

Asparagus Plumosus

4-inch pots. Fine stock **\$7.00 per 100, \$60.00 per 1000**

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Euonymus, **Eurya latifolia**, **Araucarias**, **Asparagus**, **Adiantums**, **Crotons**, **Areca lutescens**, **Cocos**, **Kentias**, **Latanias**, **Phoenix**, **Rubbers**, **Pandanus**, **Small Ferns for Dishes** in the best sorts, as well as many other **Decorative and Foliage Plants at Lowest Wholesale Prices.** Also rooted cuttings of **Double Petunias** at \$15.00 per 1000, very best varieties.

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Lilies, **Iris**, **Delphinium formosum**, **Calas**, **Hyacinthus**, **Cooperias**, **Chlidanthus**, **Amaryliss** and other summer flowering bulbs.

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 THE YOKOHAMA NURSERY CO.
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LILIES
PLANTS
BAMBOO STAKES

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\$6 per 100 ; \$50 per 1000

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WHITE KILLARNEY (Waban Strain). Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.50 per doz.; \$8.00 per 100; \$75.00 per 1000.
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RICHMOND, KAISERIN, BRIDES and 'MAIDS. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

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 Also a fine assortment of **ASTER SEED** and **CHRYSANTHEMUMS**.

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THE SENSATIONAL NOVELTY
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2½-in., \$40.00 per 1000; 3½-in., from Bench, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

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Hardy Pinks, **Giant Flowering Pansies**, ready to bloom, all \$1.00 per 100, \$10.00 per 1000.

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 From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

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Busby Plants, 18 to 24 inches at \$9.00 per 100; 12 to 18 inches, at \$6.00 per 100.
Seedlings, 3 to 5 inches, \$8.00 per 1000, with 6-in. roots; 2 to 3 inches, \$5.00 per 1000, with 6-in. roots.

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2 years, clean and smooth, nicely branched.
10 to 12 ft. \$15.00 per 100
8 to 10 ft. 10.00 per 100
7 to 8 ft. 8.00 per 100

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Low Branches.

7 to 9 ft. \$10.00 per 100
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Several times transplanted.

3 to 4 ft. \$30.00 per 100
2 to 3 ft. 8.00 per 100

NORWAY MAPLES

8 to 10 ft. \$30.00 per 100
7 to 8 ft., 1 in. dia. 15.00 per 100

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Transplanted.

3 to 4 ft. \$40.00 per 100
2 to 3 ft. 8.00 per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.

3 to 4 ft. \$4.00 100 1000
This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.
The Burr Nurseries
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We offer for immediate delivery the following roses on own roots, dormant, field-grown plants, first-class in every way:

1,000 HELEN GOULD (Balduin) 12c.
300 PINK BABY RAMBLERS 12c.
500 NEWPORT FAIRY 12c.
1,000 DOROTHY PERKINS 12c.
2,000 TAUSENDSCHON 20c.

also a limited number of dormant, field-grown plants, own roots of the following roses at 12c. each:

SWEETHEART, LADY GAY,
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Clematis paniculata, field-grown, 1-year

5c.

Clematis paniculata, field-grown, 2-year

8c.

Hydrangea paniculata grandiflora, 18 to

24 in. 6c.

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3 ft. 9c.

Viburnum plicatum, 2 to 3 ft. 12c.

Chinese Sacred Lilies, \$3.00 per 100;

\$25.00 per 1,000.

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and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

HERBERT, ATCO, N.J.
DAHLIAS Every Day in the Year

California Privet

The Finest We Ever Grew

1-year-old, 2 to 5 branches.	Per 100	1000
6 to 12-inch.....	\$0.50	\$3.00
12 to 18-inch.....	1.00	6.00

Write for special prices on larger lots.
Also 2-year old plants.

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R. F. D. No. 7, LANCASTER, PA.

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New Dawson Rambler Roses

DAYBREAK and LADY DUNCAN

3 year old Plants \$1 each, \$10 per doz.

A Large Stock of Choice Conifers, Deciduous Trees
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EASTERN NURSERIES, JAMAICA PLAIN, MASS.

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American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
Evergreens.

Write for Trade List.

W. & T. SMITH CO.

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Norway Spruce

A well-rooted, shapely lot of trees, 2 or more times
trans-planted

5-7-12 to 18 in.....	at \$ 5.00 per 100
50-18 to 24 in.....	at 8.00 per 100
50-2 to 3 ft.....	at 12.00 per 100
50-3 to 4 ft.....	at 20.00 per 100

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HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
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Trans-Atlantic Notes

DENDROBIUM AUREUM (HETEROCARPUM)

We have in this orchid a native of India, Nepal, Ceylon, and Java, a very distinct and beautiful species, flowering in late autumn and onwards till March. The flowers appear after the leaves have dropped, and in short racemes of two and three flowers. These are yellow streaked with crimson lines, and they endure for several weeks in good condition, and are endowed with the fragrance of the violet. The plant succeeds under the same conditions of warmth as *D. nobile*; and in a mixture of polypodium roots one part and sphagnum one part, with abundance of clean crocks. A moderate amount of moisture must be afforded in the season of growth, and scarcely any in the resting season, otherwise its flowering will be irregular. Although flowering whilst in the leafless state, it is a plant worthy of anyone's cultivation, if for its delicious fragrance alone. The flowers differ in their ground tint, and size.

HONESTY (LUNARIA BIENNIS)

In the early days of spring bedding, when Cliveden under Fleming was at the height of its beauty, and Belvoir, with W. Ingram as gardener, was renowned for a free-natural style of bedding-out with hardy subjects, setting examples—both of them, to the halting gardeners of Great Britain in the new mode of replacing the bare beds in the flower garden of that time—in the late 50's and early 60's, *Lunaria biennis* was recommended, and frequently planted. Since that day, other varieties have been raised and distributed. I may mention *L. biennis alba*, *L. b. purpurea*, *L. b. rediviva*, and the creeping variety *L. b. coreyrensis*, which has flowers of almost a blue tint. It might be classed as a species seeing that the plant is so different to *L. biennis* of gardens. The flowering season lasts from March to May; and the plant is a native of the hilly districts of Corfu, and probably other islands of the Ionian archipelago, but nowhere else in the world. Under the trees on the bare soil and stony places, where nothing else will grow or bloom, the plant covers the ground with its innumerable blue flowers.

INTERNATIONAL EXHIBITION OF BULBS AT HAARLEM

The first Jubilee Floral Exhibition of the Dutch Bulb Growers Society was opened on March 23 by H. R. H. the Prince of the Netherlands. This formed part of a permanent exhibition of bulbs planted in the open ground for the purpose of which an extensive area, south of the town was fenced off; and beside this there were four special shows arranged for in temporary buildings. The first of these exhibitions under cover was opened on March 23, and remained open to the public until the

31st. This display consisted for the major part of hyacinths, tulips, azaleas, lilacs, and rhododendrons associated with *Primula obconica*, *cinerarias* and *callas*. The ground round about the Colonial Museum at one time a royal palace, and in the front of the chief temporary erection was planted with crocuses, relieved as regarded its uniform flatness by sunken grass panels and topiary objects in *Buxus* towards the margins. This scheme of gardening will be kept bright with fresh plants till May 29, when the exhibition closes. An avenue of trees a quarter of a mile long, extends until a pretty pavillion holding a collection of modern flower paintings many of them being the works of the famous Haarlem artist, A. L. Kosher, is reached. Beds of hyacinths and tulips almost cover the ground under the trees; but at the time of writing the only color afforded came from scillas, crocuses and *chionodoxas*.

Messrs. C. B. van Nes & Son showed among rhododendrons a lovely blush variety—*Princess Juliana*, having a waved edge; it is a cross between a variety of *R. hybridum* and *R. Griffithianum*. M. Koster & Son showed a novelty, a hybrid *Azalea* with fragrant flowers (*A. occidentalis* x *A. sinensis*). The flowers expand of a lemon yellow tint, and become white with age. Hybrid *freesias* came from C. G. van Tubergen; *Le Reve*, in deep mauve; *Dainty*, pink with a white stripe; *Luminosa*, clear rose; and *Robinetti*, pink, were the better ones. *Iris lazica*, not unlike *stylosa*, but hardy was flowering for the first time. It is a Caucasian species. Some good or new tulips (single) were *General de Wet*, an orange sport from Prince of Austria; *Rose d'Holland* white with an edge of pink; *President Taft*, white or rosy edge, and two *Darwin* tulips, one with rosy pink petals and blush edge, and the other a deep pink edge. Mr. Vander Hoef is a pale double yellow tulip; *Electra* is bright crimson; and *Courowne Royal* is a bright yellow flower.

MISCELLANEOUS

According to Herr L. Dittmann, in a communication in *Die Gartenwelt*, *Richardia* (*Calla*) *Elliotiana* may be raised readily from seed but it will be the third year after sowing before any of the tubers will attain flowering size and strength.

H. Burnett showed his new carnation *R. F. Felton*, at the March 22 meeting of the Royal Horticultural Society. It is a large, wide petalled flower, rich pink in color but so full that the blooms need an india rubber band to confine them.

Mrs. Eugene O'Sullivan will discourse on "French Gardening" at the congress to be held for women on July 5 at the Japanese-British Exhibition.

Frederick Moore

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which the flower trade has taken of late. He asks, "Are we not stumbling along in the dark?" and other pointed questions, some of which are readily answered and others which are not so easy. We agree with him when he says "None of us make enough money," also with his frank acknowledgment that if it were not for the commission man and his hustling and liberal advertising to find an outlet for the growers' product the business would be still worse off. All will concur that something should be done to improve the present status and circumstances of the flower trade. Whatever the remedy may be, one thing is certain—talking alone will accomplish nothing and until some basis of widespread organized action on the line of "a strong pull, a long pull and a pull all together" has been found, isolated individual effort, however wisely it may be directed, will bring about nothing of general benefit. This is a case where "letting the other fellow do it" will not work. Perhaps a Florists' Board of Trade as suggested by Mr. Faust might furnish the means through which united action on practical lines could be secured. Let it be understood, however, that whether it be done through the S. A. F. or on an independent scheme, any plan that may be devised will take money and plenty of it to make it a success. The services of the kind of men needed for such work can't be had for any small compensation. But it will pay, as has been proven in many other industries.

Not over-
production but
under-consumption

Until a man knows he is sick and willing to acknowledge it there isn't much hope of getting him to a doctor. There is something of promise in the fact that the subject of flower market congestion and its train of evils is being thoughtfully discussed, wherever and whenever two or more of the craft get together. The patient is really beginning to realize that he needs medicine of some kind. The immediate and the ultimate effect upon the trade, of the continually increasing inequality between production and outlet are variously deduced according to the direct interests or bias of the party doing the talking but there is certainly hope in the recent evidences that all sides are beginning to recognize the exigency. Now let them get together. They'll find plenty of common ground on which to stand. With the society ladies of San Francisco incorporating to grow flowers because they "cannot afford to purchase them"; with the G. A. R. at Pittsburgh uniting to use artificial flowers and boycott the florists because "they are raising their prices unduly";—all this at a time when wholesale markets are swamped with material for which the retail stores have proved absolutely incapable of providing an outlet, it is manifest that there is surely a big screw loose somewhere. We have thought and have repeatedly expressed it in these columns and elsewhere when opportunity favored, that if anything practical is to be accomplished it must be done from the standpoint of the popular end. In short, we believe it is not so much a question of over-production as of inadequate selling. Talk of calling a halt in greenhouse building is a wasteful and profitless use of breath and time. Prosperity and better prices can never be attained or street fakirs' dictatorship overthrown that way. Get busy with the people. They don't consume a fraction of the flowers they ought to consume. If there were twice as many greenhouses for flower growing as exist today the public could easily get away with the product and there would be no use for the dump heap. What, after all, have the men who have the most at stake and who are the princi-

"Stumbling
along in the
dark"

In the latter part of Mr. Faust's admirable paper on Easter lily growing which appears in this issue we detect an echo of the discontent which the flower growers for some of the wholesale markets are not slow to express over the course

pal losers under prevailing conditions—the flower growers themselves,—done up to the present time, to broaden and enlarge the market for their products? How much have they contributed towards the publicity which is a vital principle in the conduct of any business according to modern methods? We think it is safe to say that there was money enough lost in stagnated flowers last Easter to have paid for a publicity service of wide range and practical utility, extending over the entire season.

An elegant art neglected

About sixty years ago M. Jules Lachaume wrote an elegant work on the art of composing crowns, garlands and bouquets of all kinds for balls and evening parties and this, no doubt, had its influence on the floriculture of the toilet as practiced at that time all over the civilized world. A knowledge of the culture of such flowers as from their form, color and keeping qualities were best adaptable to ornamenting the human form was no small part of the education of the old time gardener. The fondness for adorning the body with floral garlands and clusters dates back to the most remote antiquity, this custom being by no means confined to the fair sex. Recent articles condemning the use of artificial flowers in place of natural ones for personal adornment show a possible growing interest in this branch of floricultural art which furnished our predecessors in the florists' occupation a field for the display of refined taste almost unknown to the florist of the present day. Perhaps the cycle has now run its course and a revival of the fashions of 1850 might be enthusiastically welcomed by the public. A concerted movement by the most influential florists in several of the large cities supplemented by a diplomatic use of the society reporters might do the business. We take opportunity to quote in this connection from a comment on M. Lachaume's book which appeared in *La Belgique Horticole* in 1851.

At the present day there is an evident inclination to return to the better customs of Greece and Rome, and no fashionable lady can present herself respectably at a ball or an evening party without having a Rose or Camellia in her breast. Let us hope that in a short time the crown and the bouquet will be rigorously enforced in every reunion which has pleasure for its object. Why should not our ladies abandon the ungraceful cap for the elegant and odoriferous crown of flowers? Flowers are, besides, the natural emblem of luxury, riches and abundance.

In order to render this part of horticulture directly realizable, we shall pass on to the descriptions of head-dress in fashion, the first since 1847; the second during the present year 1851; and the third with some exceptions, at intermittent periods.

1. *Coiffure a la Flore* (Head-dress of Flowers).—This is suitable for those persons whose proportions and forms are of the most perfect character, and which come nearest the Grecian type. The profile especially must be one of those which are commonly found represented on ancient bas reliefs. This head-dress is worn with the hair arranged in graceful wavy locks, the back being tied in a bunch, merely with a narrow band, and the ends floating down. The crown of flowers does not in this case form a diadem, but is tied in a knot behind and at the lowest part of the head, from which point it gradually enlarges till it reaches the front, or the point immediately above the brow. This form of crown is composed of high-colored flowers, as the Rose, Narcissus, Hyacinth, Camellia, Carnation, and sometimes an Orchid, and it is bordered with *Ericas* and distichous Cypress, terminating in leaves, with the more slender or fine parts of branches of flowers which take an upright, and, at the same time, a nodding form. The ancient ear-rings, and the string of pearls round the neck, harmonize admirably with this head-dress, which, invented more than a thousand years, is not the less handsome and in keeping with good taste.

Paragraphs 2 and 3 referred to *Coiffure a la Ceres* and *Coiffure a la Pomone* respectively, the first indicating the use of ornamental grains and grasses among the flowers and the other the use of berries such as *Ardisia*, etc.

Hanging Baskets

Almost everybody admires a well grown, tastefully arranged, hanging basket, and their usefulness for the adornment of conservatories, piazzas, windows and any show house, are well known, in fact, a few suspended at intervals in any plant house will agreeably relieve the monotony of roof space. I should think the trade ought to be able to get rid of quite a number around Memorial Day, and the present is a good time to make up a few, so that when the time arrives, they will not have that recently-made-up look, that is quite often seen with baskets and tubs around holiday time. The wire baskets offered for sale by the florists' supply houses, are ideal receptacles. I am well aware that many have a preference for those made of rustic wood-work, but I think the idea should be not to show off the basket, but the plants that it contains, and those made of wire are more easily covered up than the wooden ones would be, also I think they are not so expensive. The position to be occupied by the basket should determine its size, for instance we find that one fifteen inches wide and ten deep is not any too large to hang between two large pillars, whereas if the supports are not so massive a smaller basket will harmonize better. In filling the baskets, a strong rich loam should be used, for such plants as I shall describe below.

For a sunny position ivy leaved pelargoniums and fuchsias are as good as we have found for piazza embellishment. We grow an ivy leaved pelargonium for a centre for the basket in a pot for a year previous to using and trained in pyramid form. This plant rises well above the rim of the receptacle and has a better appearance than if it were flat. *Vinca major* elegantissima makes an excellent trailing plant for the edge of a large basket, and *Linaria cymbalaria* is ideal for the smaller ones. A plant of *Fuchsia Black Prince*, rooted at the end of August is a nice size for a centre by the following March and *F. Trailing Queen* harmonizes well with it, the flowers being about the same shade of color.

Quite often one has to contend with shady positions to hang baskets in, and we have found the following plants useful for such places: *Cordyline indivisa*, for a centre plant with *Abutilon megapotamicum* for a trailing plant. *Dracaena Lindenii* with the variegated variety of the above-mentioned *abutilon* also makes a good combination for a foliage basket; also quite a number of the different varieties of *coleus* with such a trailing plant as *Othonna crassifolia* lend a touch of color to the others. *Asparagus Sprengeri* one of best introductions during the past twenty years, does well either in the shade or in the full sun. We have grown a stem of this plant almost fourteen feet long in a large basket. *Tradescantia zebrina pendula* is another plant for this class that does well in the shade. There are of course, many other plants suitable for basket work, but the above mentioned have been tried and proved here, and if fed frequently with manure water or Clay Fertilizer during the summer they will keep in good condition for over three months.

George F. Stewart.

West Medford, Mass.

NEWS OF THE CLUBS AND SOCIETIES

CONNECTICUT HORTICULTURAL SOCIETY.

Our second March meeting was omitted, on account of having fallen on Fast Day, a state holiday here. On the 8th inst., our first April meeting took place, with President John F. Huss presiding. The center of the room in the County Building, Hartford, was adorned with a beautiful collection of plants and cut flowers, as follows: *Amaryllis hybrida*, *Bougainvillea glabra Sanderiana*, *Haemanthus diadema*, *Primula obconica*, exhibited by Mr. Huss; *Antirrhinum gigantea alba*, by Alfred Cebelius, gardener for Professor Jacobus; *Calceolaria hybrida*, by J. A. Weber, gardener for Walter L. Goodwin; a freak geranium bearing two kinds of blossoms, by T. B. Brown of Windsor. The judges, who were H. A. Pinney, John Gerard, and W. H. Shumway, made awards as follows: Diploma to Mr. Huss and Mr. Weber; certificate of merit to Mr. Cebelius, vote of thanks to Mr. Brown. The *Haemanthus diadema*, Mr. Huss said, is quite rare, coming from Belgium, but originating in the Congo.

The Society voted to give the president of the Lava Company of America, of Passaic, N. J., a hearing, in case he desires to come to Connecticut to address our members, at his own expense, on the lava fertilizer question, which is receiving considerable attention among some gardeners.

Arrangements have been started for our two fall exhibitions; and the executive committee have commenced work on the schedules of prizes. The dates are set as follows: *Dahlia* Exhibition at Unity Hall, Hartford, September 22-23, and *Chrysanthemum* Exhibition at Putnam Phalanx Hall, Hartford, November 3-4.

Concurrent bills before the Senate and House, at Washington, granting funds to each state agricultural college for extension work, were brought to the attention of our members; and the secretary was instructed to convey to the Connecticut senators and representatives our Society's desire for the support of the bills.

James M. Adams, at the request of the chairman, read an article concerning horticulture in Japan, showing many curious uses to which flowers, shrubs, and trees are put, especially in pursuance of the legends and traditions of that Oriental land.

Our next meeting, which will be held on the 22nd inst., will be Rose Night; and a paper is expected from Howard A. Pinney, on the subject of the rose.

The season here is quite forward, owing to high temperatures. Apricots are in blossom.

GEORGE W. SMITH, Sec'y.

Melrose, Conn.

CINCINNATI FLORISTS' SOCIETY.

The regular monthly meeting of the Cincinnati Florist Society was held at the Jabez Elliott Flower Market, Monday evening, April 11. Heretofore the Society has always held its monthly meeting on Saturday evening, but by a unanimous vote same was changed to Monday, thereby hoping to increase the attendance.

NEW YORK FLORISTS' CLUB.

The regular meeting of this club on Monday night, 11th inst., was a very interesting one. There were about seventy-five members present and the outcome of the animated discussion which ensued after the detailed report made by W. H. Siebrecht, Jr., of the committee on plant and flower market, is likely to be a great permanent public flower market, occupying an entire block, built by the city of New York and rented in the same manner as the other public markets. A special joint meeting of all interested organizations will be held next Monday night for the purpose of considering this important matter. The joint committee of the Club and the plant growers, of which Mr. Siebrecht is chairman, has done some excellent practical work and deserves the gratitude of the fraternity. The location proposed is between 59th and 60th street and is well adapted to the purposes. A central hall will be provided wherein exhibitions and meetings can be held. It is stated that the Park Commission is after the site for a public playground and prompt action is necessary in order to secure the place. In the debate it was incidentally mentioned that the installing of this market will have a far-reaching effect on the plant and flower trade, on prices of florists' products, etc., possibly revolutionizing the methods of distributing them.

A letter was received from Hitchings & Co., offering a \$25.00 silver cup for competition each year. It was referred to the exhibition committee and thanks tendered.

A motion was carried endorsing the efforts being made to secure an appropriation by the legislature of \$50,000 for greenhouses and other facilities for floricultural experimenting and instruction at Ithaca.

Messrs. Traendly, Young and Bunyard were appointed special committee on the S. A. F. convention, which is to be held in Rochester next August. The indications all point to a very heavy participation in that event by New York Florists' Club members. President F. R. Pierson, who was present, predicted that this will be the greatest convention in the Society's history.

A. C. Zvolanek addressed the meeting on the subject of sweet peas, giving a very entertaining account of his recent trip to California.

There were several exhibits on the table, including a display of Stocks Elizabeth and Queen Alexandra, and Ranunculuses, from E. Fardell, Great Neck, the first named being awarded a certificate of merit. Kessler Bros. showed a sport from the Scott fern, grown by Emil Savoy, of Secaucus, which won an award of merit. Louis Dupuy got a certificate of merit for *Hydrangeas* La Lorraine (light pink) and *Avalanche* (snow white).

J. W. Pepper, Robt. E. Berry and J. Austin Shaw were appointed a committee to send resolutions of sympathy to Judge Vesey, in his great bereavement.

NEWPORT HORTICULTURAL SOCIETY.

An unusually well attended meeting of this society was held on the evening of April 12. The attraction was the announcement that E. O. Orpet of Lancaster, Mass., was to give a talk on orchids. This arrangement had been made on account of the growing demand for orchids during the summer season in Newport and the interest the demand is causing. Mr. Orpet was up to schedule time and covered the subject in a very instructive and natural way which was much appreciated by all present, the account of his experience in raising seedling hybrids being particularly interesting as he had a collection of those flowers present which were admitted by experts to be great improvements over the species. Among them were *Laelio-cattleyas* Latona, Caronis, Balliana, Mercia and Kerchovae, *Cattleya Thayeriana*, *C. intermedia* and others. After Mr. Orpet had finished his address many questions were asked him in connection with orchid culture and all were answered in a way that brought out a great deal of valuable information both old and new. On the exhibition table was a remarkably well grown *Amaryllis* in a seven-inch pot which had twenty-one large open flowers on three stems that came from the one bulb. This was examined by the committee on awards and awarded the society's silver medal for superior culture. The exhibitor was Paul Valquardson, gardener for Mrs. W. G. Weld. John T. Allan, gardener for Mr. John R. Drexel had also on exhibition a collection of seedling *Amaryllis* which were all good and one exceptionally well formed variety which Mr. Allan named Miss Alice Drexel was awarded a silver medal. The color of this is rich scarlet, very attractive under artificial light. The society gratefully accepted an offer of fifty dollars from Mrs. W. S. Wells to be used for some special exhibit at the September show.

AMERICAN POMOLOGICAL SOCIETY.

The American Pomological Society passed its sixty-second milestone at the time of its last meeting in St. Catharines, September, 1909. The formal meeting which brought this historical horticultural organization into existence was held in New York in September, 1848, although that meeting was preceded by a preliminary conference held by those interested in the organization some time previous in the city of Buffalo.

The report of its thirty-first biennial session is now going through press and will be distributed to its members in a few weeks.

In view of the many inquiries regarding the scope and purposes of this Society, the Secretary makes the following statement:

The Society is non-sectional, and is as comprehensive in its aims as the broadest interests of fruit-growing demand. Its purpose is to co-ordinate, unify and further the interests of the various horticultural societies by stimulating the best methods of culture, popularizing scientific advances, and

urging the planting of varieties characterized by high quality.

The Society has no limitations in regard to membership. It is open to the amateur as well as to the commercial grower of fruits, to the nurseryman as well as to the orchardist. The fees are light, being two dollars for the biennial two-year period. The reports are exceedingly valuable as well to the teacher as to the practical fruit grower.

Life membership in the Society is of two kinds: to institutions, it is secured for a thirty-year period on payment of a twenty-dollar fee. Individuals may secure life membership on payment of the same fee. In addition to the forthcoming reports, the Society gives each life member on entering, copies of as many of the back volumes of the *Transaction* as are now available. These are becoming rare and consequently valuable.

The Society is of special interest to the fruit breeder. It promotes development of improved varieties by offering prizes for distinctly worthy new kinds. To this end it maintains a committee whose duty it is to examine and report on new originations and make such recommendations as in their judgment are appropriate. One of the earlier presidents of the Society, the late Marshall P. Wilder, left a small fund which is used to provide silver and bronze medals to be awarded to originators of worthy new fruits.

The officers are: President, L. A. Goodman, Kansas City, Mo.; secretary, John Craig, Ithaca, N. Y.; treasurer, L. R. Taft, East Lansing, Mich.; executive committee, C. L. Watrous, Des Moines, Iowa; W. C. Barry, Rochester, N. Y.; C. W. Garfield, Grand Rapids, Mich.; G. L. Taber, Glen St. Mary, Fla.; W. T. Macoun, Ottawa, Canada.

NEW JERSEY FLORICULTURAL SOCIETY.

The regular monthly meeting of this Society was held at their rooms in Orange on the 8th inst. George Smith addressed the Society on "The Florist vs. the Gardener" in his usual bright and entertaining vein. His praise of the craft was natural, as only six years ago he embarked upon his present successful career as a commercial florist in East Orange after sixteen years' service in a private capacity. He spoke without notes, and therefore from the heart, touching upon the love which every successful craftsman must feel in these productions of what are only "second of God's creations." "Every man who wields a rake, shovel and spade is not a gardener;" "every man alas, is not a florist who makes up a piece." Mr. Smith himself is aesthetic; he is a student of harmony and color as applied to floral art, and his hearers regretted that the business cares of a busy life had not permitted his ideas to be more particularly set forth at length on paper.

The floral display was brilliant and select and covered most of the season's flowers. Lager & Hurrell made an excellent show of orchids, cattleyas, dendrobiums and phalaenopses, a *Dendrobium nobile* of the Ashworth variety with large pure white blooms being exhibited for the first time in this country. Thomas Jones of Summit contributed a vase of wall flowers.

Hitchings & Co., in a letter read, offered a silver cup, which it was decided to offer for Dahlia Night in October.

J. B. DAVIS.

LENOX HORTICULTURAL SOCIETY.

The annual Rose and Carnation Night of the Lenox Horticultural Society was held April 2nd and was a decided success. Seldom, if ever, have roses and carnations been seen in Berkshire County of such high quality. Upwards of fifty vases were staged in the various classes. As a scarlet, Beacon was largely exhibited, while White Perfection, Winsor, Enchantress, Bay State, Rose-Pink Enchantress and Octoroon were strongly exhibited in their various colors. An exhibit on which special praise was bestowed were two magnificent vases of Mrs. C. W. Ward and Alma Ward, exhibited by Cottage Gardens Co., and unanimously awarded a first-class certificate, the Society's highest award. Another exhibit which was greatly admired was an exceedingly fine vase of White House, exhibited by Dailedouze Bros. This variety was shown in the best of condition, which speaks well for its shipping qualities and was unanimously awarded a first-class certificate. The following is the list of the principal awards:

Elm Court Farm, first for 25 Enchantress, Winsor, 12 American Beauties and Richmond roses. A. H. Wingett, first for 25 Beacon, 12 Bay State and 12 President Carnot roses. S. Carlquist, first for 12 White Perfection, Beacon, Enchantress, Octoroon, and Rose-Pink Enchantress. J. J. Donohoe, first for 25 My Maryland, second for 12 American Beauty roses, Winsor, Beacon, M. A. Patten and Rose-Pink Enchantress; also a certificate of cultural commendation for a vase of stock Queen Alexandra.

The judges were Messrs. E. Jenkins, R. Speirs, W. Jack and A. J. Jenkins. George Breed read an interesting paper on "The Orchards of the Berkshires," dealing with the best varieties, soils, pests, general management, etc. Considerable discussion was created, most of the members asking questions, which Mr. Breed answered in a very able manner. He was accorded a hearty vote of thanks.

GEORGE H. INSTONE, Sec'y.

FLORISTS' CLUB OF PHILADELPHIA.

The regular monthly meeting of the above club was held on the 5th inst., Alfred Burton, vice-president, in the chair. There was little of any moment outside of routine business. Most of the members are apparently still unrecovered from the Easter rush. Henry I. Faust read a paper on "Culture of Easter Lilies," in which he has been quite successful for several years. George Anderson, Fred Hahman and Dennis T. Connor took part in the discussion. Antoine Wintzer will be the speaker at the May meeting. Samuel Batchelor exhibited a vase of fine callas showing exceptionally good culture.

CLUB AND SOCIETY NOTES.

The Western Horticultural Society has changed its name to Manitoba Horticultural and Forestry Association.

The regular monthly meeting of the Chicago Florists' Club, Thursday, April 7, was well attended. The club being so fortunate as to possess \$600, it was voted to put it out at interest. A

committee to further the arrangements for the fall flower show was appointed.

The preliminary premium list of the St. Louis Horticultural Society's fourth fall floral exhibition and pomological display has been issued. The show will be held at the Coliseum, on November 8 to 12, 1910. The prizes are liberal, aggregating over \$2,200. Copies of the schedule and other information may be had on application to Otto G. Koenig, 6473 Florissant Ave., St. Louis, Mo.

PERSONAL.

John D. Duly is now the gardener at the Mrs. F. W. Andrews estate, near Newport, R. I.

John L. Wyland, of Allison Park, Pa., has announced his intention of selling out and moving West.

Oliver Hancock is now with Honaker at North Jackson St., Lexington, Ky. Mr. Hancock was formerly of Columbus, Ohio.

A. M. Holter has resigned his position as florist at Liberty Park, Salt Lake City, Utah, and will start in business for himself.

E. Harney is now on the decorative staff of Randolph & McClements, Pittsburg, Pa. He was formerly with Faulk & Furnier.

W. Crighton, formerly at 247 W. 25th street, New York City, is now gardener for J. G. Wilson, Larchmont Manor, New York.

Thomas Redmayne will devote his time to landscape gardening, having severed his connection with the Hotel Rafael at San Rafael, Calif.

Peter Weiland, of the firm of Weiland & Olinger of New Castle, Ind., and Cincinnati, Ohio, who is suffering with rheumatism, left for Hot Springs last Tuesday.

Chas. Brash has resigned his position as gardener at the University Greenhouses, Champaign, Ill., to accept a position at Paxton with Morgan, Adams & Co.

Visitors in Boston:—Al. Osterman, of Osterman & Steele, Springfield, Mass.; Martin Reukauf, Sydney Bayersdorfer and Stephen Green, of H. Bayersdorfer & Co., Phila.

Charles Newton, who was lately gardener for M. I. T. Burden, at Newport, R. I., is now in charge of the greenhouses of the R. T. Wilson estate at Palmetto Bluffs, South Carolina.

Andrew J. Pow has resigned his position as head gardener at the "Breakers" Mrs. Cornelius Vanderbilt's Newport, R. I. residence, his resignation to take effect April 15th.

William Miller, who has been employed in the greenhouses there for many years, succeeds Andrew J. Pow as gardener for Mrs. Cornelius Vanderbilt, at "The Breakers," Newport, R. I.

Providence, R. I.—John F. Wood, florist, was petitioned into involuntary bankruptcy on April 9.

THE GROWING OF LILIES FOR EASTER.

Paper by Henry J. Faust, before the Philadelphia Florists' Club, at its April meeting.

I do not suppose there is anything grown for Easter more uncertain and requiring a greater amount of skill and attention than the lily. To make this paper interesting it has been suggested that I take up the entire subject of forcing lilies from years ago to years to come, to illustrate my subject by samples of well-grown and diseased plants, in fact, to enter upon a long and learned discourse and kick up such a lot of dust and bemuddle my subject to such an extent that you would have to catch on to my coat tail in order to follow me. But in this I saw no use. The diseased plants you all have seen enough of; you have had a heart's scald of them—the good ones are all sold.

As far as my experience goes there are only two varieties of lilies worth attempting for Easter, the Giganteum and the Formosa. To grow in quantity and to produce good, even results there is at present only one lily, the Giganteum. This is a variety almost perfect—it comes true to its name; for health it is all that could be desired. This year out of 13,000 bulbs I did not have to throw out ten plants from disease; but as far as health goes I can give the Formosa an equally good character.

The first essential is to get good bulbs. I do not think it makes any difference from whom you procure them; any house of repute can supply you. My bulbs this year came in three separate lots. I saw no difference, they were all in perfect condition. Just as soon as you receive your bulbs get them potted. I have a way of potting that may interest you as I never knew anyone else to pot in the same way. It is a very quick and cheap way of doing what would often in the ordinary way of potting be a slow and worrisome job, especially when you grow in quantity. A few days before we receive our bulbs we have a large space cleared on the ground near the soil pile; we then cover this space with 2000 to 2500 empty 6-inch pots, say 20 to 25 pots wide to 100 long, then have a man fill the pots about two-thirds full of soil. When the bulbs arrive another 2000 to 2500 pots are placed on the floor, the bulb cases are opened and sorted, selecting all the best bulbs in the case, the cullings being kept separate. The good bulbs are for growing on in a 6-inch pot; the cullings we place two bulbs in a pot. We take a 16-foot board to place upon top of the pots to stand, or rather kneel upon, then we start to plant, two men planting and two following up filling the pots, and so on until the end.

In filling the pots we throw plenty of soil on top, levelling it with the back of a rake. In this way last fall we did 10,400 pots in three days. I think you will acknowledge this to be much more expeditious than the usual way of potting at a bench; all the work, especially selecting the bulbs and planting, being done at a minimum cost by two laboring men (not interfering at all with our regular work). The bulbs are now ready to wheel inside to be placed under a bench, or, which is just as well, left out and covered up carefully to be brought in at your convenience. We mostly leave

ours out until we are rid of the chrysanthemums, although it does not hurt to bring them in at once. We always like to have our lilies inside on the bench by the 15th of December, and that reminds me of the great difference in forcing a lily for Easter.

Years ago when we first commenced growing lilies, we grew Harrisii, getting our bulbs in August or early September. We would pot at once and have them two or three inches high when brought inside, but we always had trouble getting them into bloom for Easter. In later years, since the Japanese bulbs have been grown, although we do not get them until November, and often late November, we have no trouble, although as in this year needlessly anxious.

We always start the lilies off at a cool temperature and hold them in this temperature according to the date of Easter. The longer they stay at a cool temperature in the early stage the better. After we see they are well-rooted and starting to grow the temperature can be increased up to any reasonable extent until they show evidence of making buds, then you had better go slow. From the time that they first start to make buds to the time the bud is well developed is what might be called the critical period; stunted plants or blasted buds may very easily be your lot. All that can be said of this period is "Beware."

In growing a lily for Easter the credit is due to two people, the fireman and the man at the hose. There is no plant that loves syringing more than a lily, yet no plant resents more quickly an oversupply of water at the roots. I often on a bright day syringe two or three times, and have frequently at night gone into the houses and given them a good syringing, wetting down the paths, and also the steam pipes. I think syringing is very beneficial in growing lilies, especially if you have an apparatus for heating your water. We have an arrangement for tempering the water that enables us to have a constant flow at a temperature of 70 degrees and upwards. This water heater is a very simple apparatus and anyone who uses steam heat could at the expense of a few dollars so equip themselves.

After a lily is in condition to stand it, I believe the quicker it is grown the better, only, of course, remembering to gauge the growth and development according to the date for Easter. I must say that this year was one calculated to try men's souls. We did not get our bulbs until the 18th of November, and on account of the late chrysanthemums could not get them on the benches until the 24th of December. Out of 10,000 pots I do not believe 25 showed growth above the soil. Then came the month of anxiety and worry.

It is usually calculated that it takes six weeks for a lily flower to develop from the time the bud first shows. It can be done in less. I would prefer to have six weeks to do it in than to attempt to do it in four, yet it can be done in four. Just to satisfy myself how quickly a lily could be brought into bloom, I this year marked a few plants. On the 22nd of February I selected a few plants, marking them "No buds in sight." On the 25th buds could be seen on several, and by the 27th all showed bud. We were then running a night temperature of 70 de-

grees, or a little over, letting the day temperature with sun shining run higher. They were all in bloom in time for Easter, just taking, you see, from four weeks to a month from the time of first showing of buds to the blooming period.

I think I am speaking advisedly when I say it does not pay to grow lilies to sell at 10 cents. Now don't misunderstand me on this point; I did not mean that a lily cannot be grown and sold at 10 cents per bud and still yield sufficient margin for the grower to pay his debts; but that is all it will yield. It will give the grower no such profit as will in any way reward him for his risk, trouble and anxiety.

Right at this point I cannot refrain from wondering if we are conducting our business in as wise a manner as we should. Are we not just stumbling along in the dark? Every year as long as I can remember I have heard the report that lilies were going to be scarce, but without and real foundation. No one knows how many lilies it takes to fill the requirements of the city of Philadelphia. Don't you think we should know? If we only had a way of finding out we would commence to be on a business basis; we would then be in a position to regulate prices. I have thought that a "Florists' Board of Trade," with committees to look after the different branches of the trade might be a benefit. The committee on lilies to get reports from all the seed houses and know just how many bulbs were in the growers' hands, or get the report direct from the grower, with monthly reports as to the progress, condition and number expected to be put on the market, in much the same way as the Government gets its agriculture reports. I believe if we all were to cut down the number of lilies grown, 25 per cent., and try to grow better lilies and a better price, it would be a move in the right direction.

There is one thing sure, none of us make enough money. We have the most anxious, worrisome business in the world, everything we buy costs more, and still more, but everytime we get our returns we find them marked less. The only ones I see making any money on flowers are the street fakirs and the commission men, yet I think the commission man deserves all he gets. Without these hustling and enterprising business men who are ever advertising to find an outlet for our goods, I fear often our business would be in a bad way. Two-thirds of the time the flower market is glutted, prices demoralized and the growers building more houses to throw more stuff upon the market, to compete with themselves. Would it not be advisable to call a halt? Let every grower who has more than 10,000 feet of glass pledge himself not to build any more for five years until the market catches up with the supply. Almost every week during the seasons we read in the trade papers of carnations, roses, violets, or lilies being a glut on the market. Let us work for prosperity and better prices, not for the street fakirs.

Lilies, to afford the grower a proper profit should bring 15 cents per flower. We have been too much in the habit of rubbing shoulders with poverty. Let us put ourselves upon an equality with other professions and get more of the sweets of life and less of the bitter.

ROSES

For Decoration Day

Roses always sell well on Decoration Day. Potted NOW, they will be in good time for this important event.

Mr. Florist:—Our stock is in grand condition, the quality the best, true to name and in fine dormant condition. ORDER TODAY AND BE ON TIME.

Hardy Hybrid Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

Price, 75c. for 5 (of one variety), \$12.00 per 100, \$110.00 per 1000 (immediate delivery).

Abel Carriere. Crimson.
Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Flesh color.
Clio. Satin blush.
Duke of Connaught. Rosy crimson.
Duke of Edinburgh. Bright vermillion.
Eugene Verdier. Crimson-violet.
Fisher Holmes. Dark crimson.
Frau Karl Druschki. The finest white.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson.
John Hopper. Bright rose.
La France. Pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh.
Marshall P. Wilder. Cherry rose.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Satiny pink.
Mrs. John Laing. Satiny pink.
Paul Neyron. Dark Pink.
Perle des Blanches. White.
Persian Yellow. Yellow.
Prince Camille de Rohan. Dark crimson.
Ulrich Brunner. Cherry-red.

For prices see above.

Also we have on hand a very fine collection of Hybrid Teas, Everblooming Roses, such as Killarney, Cochet pink and white, Kaiserins, etc.

Prices upon application

Ramblers and Other Climbing Roses

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet. \$1.25 for 10, \$12.00 per 100; 4 to 5 feet., \$1.75 for 10, \$15.00 per 100; 5 to 6 feet, extra heavy, \$2.25 for 10, \$20.00 per 100.

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field grown. 85c for 5, \$15.00 per 100.

DOROTHY PERKINS. Lovely shell-pink color. \$1.25 for 10, \$12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$2.25 for 10, \$20.00 per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, 4 to 5 feet. \$1.75 for 10, \$15.00 per 100.

Flower of Fairfield The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c each, \$3.50 for 10, \$30.00 per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens, contrasting with the blue flower, give the whole a striking appearance. 60c each, \$5.75 for 10, \$55.00 per 100.

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c for 5, \$16.00 per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. 85c for 5, \$15.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c for 5, \$15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. 85c for 5, \$15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard). The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40c each, \$3.75 for 10, \$35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c each, \$6.25 for 10, \$60.00 per 100.

We also have a fine stock of Hybrids and Hybrid Teas, standard grown.

Something New in Roses for Florists

HALF STANDARD BABY RAMBLERS

These are Baby Ramblers, grown on stems or standards about one and one-half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60c each, \$6.00 per doz., \$45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c each, \$4.50 per doz., \$35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c each, \$4.50 per doz., \$35.00 per 100.

BABY "STARS AND STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c each, \$5.00 per doz., \$40.00 per 100.

ARTHUR T. BODDINGTON

Seedsman

342 West 14th Street, NEW YORK CITY, N. Y.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Antirrhinums.

It is time now to start stock for next winter's crop of flowers. The seeds of the tall and most improved kinds in separate colors—white, pink, red and yellow—are good for indoor bench culture. Where antirrhinums are raised somewhat extensively, it is best to always have seedlings on hand as a source for annual propagation. The blooms of the seedlings are never quite so uniform in color as those raised by cuttings. The second growth coming in the form of sturdy shoots from the base of the plant makes the best cuttings that will produce magnificent long, large flowering spikes. They can be grown on in pots, with frequent shifting during the summer, which is the best way. Either cuttings or seedlings, pinched back as they grow, will make strong bushy plants by fall for benching. They are a very satisfactory flower for the florist to grow, as they are persistent bloomers and have excellent lasting qualities. They are good to follow after chrysanthemums.

Cosmos.

To obtain the best results with these very desirable flowers sow the seed in April in flats or frame; pot into small pots when large enough, and shift into larger pots when required. Give the plants the fullest light, in order to induce a strong growth. They can also be grown in boxes. Boxes about two feet long by eight inches wide and six inches deep will hold about six plants. After planting protect from the scorching sun for a few days; stand them outside where they will be convenient to the hose. The cosmos blooms so late in the fall, that in the north frosts frequently destroy it long before its season of bloom is over. For this reason it is well to grow it in pots or boxes all summer and take it indoors in September. There are many places in your houses that would be unoccupied otherwise.

Cyclamen.

Cyclamens that were transferred from seed flats to other flats some eight or ten weeks ago will by this time be crowding. They should now be ready to go into 3-inch pots. An ideal mixture for them is two parts fresh loam sifted, one of leaf mold and a fourth of well-rotted cow or sheep manure. When potting leave at least one-half of the corm above the soil. They are benefited by a light shading during the hottest hours of the day. They want abundance of ventilation on all fine days, but be cautious as to cold draughts. Never let them suffer for the want of water and syringe on all fine days. They make roots very fast, but in no case ever over-pot. As they have filled the pots with roots they will need a shift from time to time. They can be grown in the house up to June, when they can be plunged up to their rims in coal ashes in some frame outside.

Gladiolus.

One of the most useful and easily handled and lasting of our summer flowers. Plant the small bulbs first and keep the large ones until the last of June for a succession. Get the soil in the best possible condition before planting. Work it deep and make it rich with well-rotted manure. Get the

PITTSBURGH CONSERVATORY DISPLAYS.



The picture which we have used as a cover illustration gives only a faint idea of the magnificent Easter display at the conservatories of H. J. Heinz, where J. Featherstone and his staff had arranged one of the most unique exhibitions ever seen in this city. The exhibit was admired by a large crowd of enthusiastic visitors.

The best effects were seen in one of the new U-Bar show houses, 25 x 50 feet. The two centre tables were converted into one, making a bench 12 x 10 feet, which was an arrangement of choice flowering shrubs, bulbs and spring flowers which would do credit to any of the horticultural fraternity in an exhibition hall. Raised to the roof in the centre was a fine specimen of *Caryota urens*, on each side of which were specimen *Areca lutescens*; then as dot plants were used well-flowered samples of standard *Viburnum opulus*, lilacs, laburnums, *Azalea mollis*, *Prunus pissardii* and roses, with a ground work of hydrangeas, *Azalea indica*, *Rhododendron Pink Pearl*, *Azalea mollis*, of which Van Thol *Altercatens* and seedlings were the best. Some fine specimens of *Malus* were also used as dot plants. Near the margins of the benches were arranged banks of hyacinths, tulips, and narcissi, outlined with *Primula obconica*, lily of the valley, etc.

At the furthest end of the house was

best varieties possible to start with, for you can increase your stock very rapidly after the first year. They should be planted in drills from 2 to 3 feet apart and 2 to 3 inches apart in the rows. If the corms are large they can be planted four inches deep, and when smaller an inch less. Cultivation should be kept up till the plants have attained 6 inches in height, after which they should be disturbed as little as possible. Mulching in summer to keep the soil cool is very beneficial. The spikes can be cut when the first flower opens. Removing the terminal

arranged a little natural garden effect which made quite a hit with the visitors. Pink-flowered hawthorn, *Malus*, standard roses and wistarias formed the centres of moss-covered hills where crocuses, English and Japanese primroses, *Scilla Siberica*, double daisies, lachenalias, grape hyacinths and lily of the valley appeared to be growing naturally, producing a charming effect. The extreme end of this house was completely covered with a bank of genistas, azaleas, *Cineraria stellata*, callas and Easter lilies, the whole blending harmoniously in a charming pandemonium of color. One of the vestibules was filled with hybrid roses and stocks, another with blooming orchids in profusion.

In the plant house were fine specimens of *Clerodendron Balfourii* covered with flowers. A superb plant of *Acacia paradoxa*, some good amaryllis, gloxinias, ferns, yellow callas, ripe oranges and hanging baskets of ferns.

The new grapery contains besides the planting canes, which have already made good growth, some fruiting canes in flower and figs well on towards ripening. In the peach house are peaches, nectarines, plums, apples and cherries in the flowering stage and ripe strawberries. Lettuce, rhubarb, sea kale and radish in the vegetable house just ready for the table were as much admired as the flowers.

JAMES HUTCHINSON.

buds will stop stalk development and give strength to the larger and earlier maturing flowers. The best time of the day for cutting is early in the morning.

Lilies for Decoration Day.

Much of the plant grower's attention now centers in the stock to be had in readiness for the coming Memorial Day. To time lilies with anything like precision for any date calls for a fair amount of good judgment. Lilies that were taken in from the frames the first week of March will come along with but very little forcing. They should

For Decoration Day

We have this year the most complete, elegant and salable stock of florists' goods ever offered for the MEMORIAL DAY trade. Our line of PRESERVED FOLIAGE and other INDESTRUCTIBLE DECORATIVE MATERIAL cannot be excelled and the name of BAYERSDORFER & CO., on the package guarantees that goods and prices are

All Right

Don't wait until the last moment to make inquiry. SEND NOW for list of Standard and New Goods for this important occasion. All you have to do is to show the goods. THEY'LL SELL. Wreaths of Cycas, Magnolia, Fern and other foliage in Green, Autumn Tints and Moss effects are among the novelties.

H. BAYERSDORFER & CO.

The Florists' Supply House of America

1129 Arch Street, Philadelphia, Pa.

show their buds by the last week of April and not later than the first week in May to be right for this date. If any of them are showing buds now they should be placed in the coolest house you have. Making a rapid growth at this time of the year they will need great quantities of water at the roots, fumigation at regular intervals, frequent syringing and the utmost care in ventilation. Just at this time a sharp lookout must be kept for greenfly that get established down in the crown of the buds where smoke fails to reach them. Nicotine applied not too strong is the best remedy.

Lily of the Valley.

Lily of the valley that is unprotected outside seldom gives good satisfaction. Those who have beds of it should have their beds of such size that they can be covered with frames that will prevent the heavy rains from injuring the flowers. You can thus have flowers two weeks ahead of those that comes along naturally. They will take plenty of water up to when the bells begin to show white. Two weeks before the flowers are fully developed a shade on the glass will improve the quality of the blooms.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on Aerides, Candytuft, Campanulas, Herbaceous Perennials, Hydrangeas and care of Shrubs after Easter.

Peirce Bros. of Waltham, Mass., are owners of several large automobiles used for transporting flowers and plants to market in Boston. One of them got unmanageable on Beacon street last Friday and ripped a piece out of the fence surrounding Boston Common, but nobody was hurt.

CARNATION WHITE FAIR MAID.

At the time this white sport from Fair Maid was put on the market we did not hesitate to assert its prospective value as a carnation of the "bread and butter" class. In the ambition to produce and the rivalry to possess the splendid show varieties that have appeared in the meantime, White Fair Maid has apparently been forgotten or discarded, although its remarkable freedom of bloom, its grand perfume and fine keeping qualities place it in a class almost by itself for the everyday use of the florist who retails his own product. We were glad to hear so shrewd and capable a grower as John McKenzie of North Cambridge, Mass., a few days ago assert most emphatically that White Fair Maid is the most profitable and altogether desirable carnation he has on his place. He says no other white now on the market can equal it, and he has tried most of them.

PETUNIA BAR HARBOR BEAUTY.

Vernon T. Sherwood writes us a line in regard to the history of this famous petunia. It came originally from Vilmorin and was given the name under which it is now known by A. T. Bodington. Mr. Pulitzer's gardener says it is the only trailing plant for window boxes that will keep good on his storm-whipped piazza, English ivy, Nepeta glechoma, geraniums, vincas, nasturtiums and other things having failed to do it and its keeping qualities are remarkable, the plants being a blaze of color all season—in fact, it is conspicuous from the decks of passing steamers.

INCORPORATED.

Gerrardstown, W. Va.—W. S. Miller Co., nursery and orchard business, capital stock \$35,000. Incorporators, L. P. Miller, Bessie L. Miller and Nannie C. Miller of Gerrardstown, Mary Lou Winn of Sumpters, S. C., and William H. Miller of Enon Valley, Pa.

APHINE

The practicability of spraying, compared to fumigating or vaporizing is being more generally recognized than heretofore among those engaged in floriculture and horticulture.

Spraying, when operated on scientific lines, is proving the most economical method of combating insect pests. Fumigation requires the filling of the house. Spraying requires application to that portion of the house only where the insects make their appearance.

Fumigation is not beneficial to flower or foliage. Spraying with Aphine does not effect them in the least; in fact it invigorates the plants.

Send for descriptive circular

**Aphine Manufacturing
Company**

MADISON, N. J.

HARDY FIELDGROWN ROSES

We offer a fine stock of the following roses, viz.:—

HYBRID PERPETUALS:

Ulrich Brunner, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Baroness de Rothschild, and other assorted varieties in less quantities, like Mine. Gabrielle Luizet, Marshall P. Wilder, Anna de Diesbach, Baron de Bonstetten, Prince Camille de Rohan, Alfred Colomb, Gen. Washington, Princess Bearn, Rugosa Rubra, Rugosa Alba, Blanche Moreau (white moss), Chapeau de Napoleon (pink moss), Persian Yellow, etc.—\$2.00 per dozen, \$16.00 per 100
Frau Karl Druschki, Capt. Hayward, Hugh Dickson, and Mrs. R. G. Sharman Crawford—\$2.25 per dozen, \$16.00 per 100

HYBRID TEAS:

White Killarney—\$3.50 per dozen; \$25.00 per 100.
Killarney pink, Gruss an Teplitz, La France, Maman Cochet, White Maman Cochet, Lady Mary Fitzwilliam, Hermosa, Etoile de France, Mme. Abel Chatenay, Mme. Jules Grolez, etc.—\$2.50 per dozen, \$18.00 per 100

CLIMBING:

Tausendschon and Lady Gay—\$3.00 per dozen; \$20.00 per 100.
Dorothy Perkins and Crimson Rambler—\$2.25 per dozen; \$15.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

PUBLICATIONS RECEIVED.

Proceedings of the Eleventh Annual Convention of the American Association of Park Superintendents. This volume contains a full account of the proceedings, discussions, etc.; at the meeting in Seattle, Washington, August 9-11, 1909.

Success in Market Gardening, by Herbert Rawson. This latest addition to "The Garden Library," published by Doubleday, Page & Co., New York, is, as explained in the preface, a revised and enlarged edition of the book of the same title written several years ago by the late W. W. Rawson, father of the present author. The name of Rawson is known and recognized throughout the length and breadth of the land as standing at the head in all that appertains to the science and practice of market gardening under glass and in the open. As to the value of the original publication its place was fully recognized long ago and it ran through several editions. As to the revisions and additions which now bring it fully up to date in every respect it is only necessary to allude to the fact that Mr. Herbert Rawson has been brought up in the business of market gardening and from association with his father in the actual business of growing is well qualified to exemplify the practices and ideals of that keen-sighted, energetic man. Market gardening of the intensive kind is making an amazing growth and no one interested in it can afford to be without this useful guide book. The price is net \$1.10. Copies can be supplied by HORTICULTURE.

NEWS NOTES.

Boston, Mass.—A meeting of the assenting creditors of Frank H. Houghton will be held on Thursday, April 21, 1910, at 7.30 p. m., at room 320, Tremont Building, 73 Tremont street, Boston, Mass. A full representation is desired to vote on the question of the assignee's continuing the business for another year.

Waltham, Mass.—W. N. Craig of Langwater Gardens, North Easton, Mass., gave a very entertaining and instructive address on "Floriculture" before the Waltham Woman's Club on the evening of April 5. Mr. Craig gave hearty approval to the home garden movement and gave advice on the planting and care of plants of many desirable varieties for house and outdoor adornment.

BEACON CARNATION CUTTINGS

Nothing Spectacular—Just the Best Cuttings that can be had, and at Right Prices, and notice particularly that these cuttings are from SOIL and come from stock that DOES NOT SPLIT.

CARNATION CUTTINGS

Clean, well-rooted stock, the kind that will make you and your friends our regular customers. N. B.—Our White Enchantress is PURE WHITE with NO strain of color.

	Per 100	Per 1000		Per 100	Per 1000
Winsor	\$2.50	\$20.00	Enchantress	\$3.00	\$25.00
Beacon	3.00	25.00	White Perfection	3.00	25.00
White Enchantress	2.50	20.00	Rose Pink Enchantress	2.50	20.00

Immediate delivery. Write for special prices on large quantities. No order too large for our facilities. *Chrysanthemum cuttings in best variety, also.*

J. D. THOMPSON CARNATION CO., - - Joliet, Ill.

Specials in Mums

1000 OCTOBER FROST or 1000 GOLDEN GLOW out of 2½ inch pots, \$17.50 per 1000, to move a large block. Speak quick.

Regular line of Mums: Alice Byron, Wanamaker, Nonin, White Bonaffon, Monrovia, Appleton Bonaffon, Rosiere, Minnie Bailey, Enguehard, R. C. at \$2 per 100, \$15 per 1000; 2½ inch, \$2.50 per 100, \$20 per 1000.

Virginia Poehlmann, Alice Roosevelt, Yanoma, Chadwick, Golden Chadwick, Cullingfordii, Black Hawk, \$3 per 100, \$25 per 1000 R. C.; \$4 per 100, \$35 per 1000 2½ inch.

Golden Eagle \$4 per 100, \$35 per 1000; Lynwood Hall \$5 per 100; Hankey \$4 per 100. Pres. Taft, Mrs. W. E. Kelley \$10 per 100.

Carnation Cuttings

Rooted Cuttings ENCHANTRESS, ROSE ENCHANTRESS, WHITE ENCHANTRESS, WHITE PERFECTION, BEACON, \$2.50 per 100, \$20 per 1000. Will have up to May 15 in any quantity.

2 inch stock of German Ivies, Ice Pinks, Salvias, Lobelias, Petunias, and all bedding plants \$3 per 100, \$25 per 1000.

I. M. RAYNER, GREENPORT, L. I., N. Y.

Princess of Wales Violet Cuttings

For Sale—All Crown Cuttings

\$10.00 per 1000

EVERETT E. CUMMINGS, Woburn, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

CHRYSANthemUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton.

Rooted Cuttings, \$2.00 per 100; \$15.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Enguehard, Dorothy Devens, Early Snow, Glory Pacific, Harry May, H. W. Belman, Ivory, Jennie Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Maj. Bonaffon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton.

Rooted Cuttings, \$1.50 per 100; 2½-in. pots, \$3.00 per 100; \$25.00 per 1000.

WOOD BROTHERS

FISHKILL, N. Y.

THREE NEW CARNATIONS

Conquest, fancy overlaid pink,
Sangamo, Brilliant pink,
Mary Tolman, deep flesh-pink.

CHICAGO CARNATION CO., Joliet, Ill

CARNATION

Rooted cuttings, both standard varieties, and the best novelties of the season. Write us before placing your order. We will guarantee first-class stock and prompt delivery.

KATALOG for the Asking.

SKIDELSKY & IRWIN CO.
1215 Betz Bldg., PHILADELPHIA, PA.

CARNATIONS

F. DORNER & SONS CO.
LaFayette, Ind.

Dreer's Select Hardy Vines and Climbers

AKEBIA QUINATA.

We offer extra heavy pot-grown plants of this handsome climber.
Strong 4-inch pots, \$1.25 per doz.; \$8.00 per 100.
Heavy 6 " " 2.00 " 15.00 "

AMPELOPSIS VEITCHII.

Strong 2-year-old, \$1.50 per doz.; \$10.00 per 100.
Extra selected plants, \$2.00 per doz.; \$15.00 per 100.

AMPELOPSIS VIRGINICA. (Virginia Creeper.)

Strong 2-year-old plants, \$1.25 per dozen; \$8.00 per 100.

AMPELOPSIS TRICOLOR. (Vitis Heterophylla Variegata.)
Very strong, 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

AMPELOPSIS ENGELMANNI.

Extra strong, 2-year-old plants of this most useful variety.
\$1.75 per doz.; \$12.00 per 100.

AMPELOPSIS LOWII.

A new variety of the same general character as A. Veitchii and clinging to the smoothest surface without support, but with foliage much smaller and deeply cut, giving a light and airy appearance to the plant not possessed by the older sort. In spring and summer the leaves are of a bright apple-green color, changing to a brilliant crimson and scarlet in the autumn. 60 cents each; \$6.50 per doz.

APIOS TUBEROSA.

Strong tubers, \$2.00 per 100.

ARISTOLOCHIA SIPHO.

(Dutchman's Pipe Vine.)

Extra heavy, \$4.00 per doz.; \$30.00 per 100.

BIGNONIA. (Trumpet Creeper.)

Grandiflora. Strong plants, \$3.00 per doz.; \$20.00 per 100.

Radicans. Strong plants, \$1.50 per doz.; \$10.00 per 100.

CELASTRUS SCANDENS.

(Bitter Sweet, or Wax Work.)

Extra heavy plants, \$2.00 per doz.; \$15.00 per 100.

CINNAMON VINE.

Strong roots, 40 cents per doz.; \$3.00 per 100.

CLEMATIS PANICULATA.

(Japanese Virgin's Bower.)

We have an immense stock of exceptionally fine plants of this most popular of all the Clematis, and offer

Strong 2-year-old plants, \$1.50 per doz.; \$10.00 per 100; \$90.00 per 1000.

CLEMATIS MONTANA GRANDIFLORA.

The plant is of stronger growth than any other Clematis, not subject to the attacks of insects, and succeeds under the most adverse conditions. It is perfectly hardy, having withstood without the least damage in a most unfavorable position in our trial grounds. Its flowers, which resemble the Anemone or Windflower, are snow white, 1½ to 2 inches in diameter, and frequently begin to expand as early as the last week in April, continuing well through May, and are produced in such masses as to completely hide the plant. Extra strong, 2-year-old plants, 35 cents each; \$3.50 per dozen.

CLEMATIS MONTANA RUBENS.

Identical in every way with the white flowered variety, excepting in color, which is of a most pleasing shade of soft rosy red.

We offer a limited stock of strong plants, 75 cents each; \$8.00 per dozen.

EUONYMUS RADICANS VARIEGATA.

A nice lot of 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

LARGE-FLOWERING HARDY CLEMATIS.

We have again this season a fine stock of good, strong plants, two years old, own roots.

Boskoop Seedling or Sieboldi. Extra large lavender.

Duchess of Edinburgh. Double pure white.

Henryi. Finest large single white.

Jackmani. The popular dark rich royal purple.

Madam Baron Veillard. Light rose, shaded lilac.

Ville de Lyon. Bright carmine red.

30 cts. each; \$3.00 per doz.; \$20.00 per 100.

VARIOUS CLEMATIS.

	Per doz.	Per 100
Coccinea. Two-year-old roots.....	\$1 50	\$10 00
Crispa. Two-year-old roots.....	1 00	7 00
Virginiana. Two-year-old roots.....	1 25	8 00
Integrifolia Durandi. Of semi-climbing habit, large indigo-blue flowers. 35 cts. each.		

HONEYSUCKLES.

	In. pots	Per doz.	Per 100
Variegated	2¼	\$ 60	\$4 00
"	4	1 00	8 00
"	6	1 75	12 00

IPOMOEA PANDURATA. (Hardy Moon Flower.)

Strong dormant roots, 50 cents per dozen; \$4.00 per 100.

HARDY JASMINE.

	Per doz.	Per 100
Nudiflorum. Yellow, 5-inch, pot-grown.....	\$1 50	\$10 00
Officinale. White, 5-inch, pot-grown.....	1 50	10 00
Primulinum. An introduction from China, its flowers fully double in size to J. 'nudiflorum'; these appear simultaneously with the leaves. Strong plants, 35 cents each; \$3.50 per doz.		

LATHYRUS LATIFOLIUS.

(Everlasting Pea.)

	Per doz.	Per 100
Albus. White.....	\$1 00	\$7 00
Splendens. Rose.....	1 00	7 00
"White Pearl." A magnificent, new, pure white variety, with individual flowers fully double the size of the ordinary Everlasting Pea. These are produced in really gigantic trusses. We offer very strong roots at 20 cents each; \$2.00 per dozen.		

POLYGONUM.

Baldschuanicum. This beautiful, hardy, woody, twining plant is one of the most interesting and showy flowering climbers. Its flowers are white, and are borne in great feathery sprays at the extremities of the branches. Strong plants, 35 cents each; \$3.50 per dozen.
Multiflorum. A very desirable climbing plant, which seems peculiarly adapted to our climatic conditions. It is of strong, rapid, but not coarse, growth, frequently attaining a height of 15 to 20 feet in one season. Its bright green, heart-shaped leaves are never bothered by insects, and during September and October it produces masses of foamy-white flowers in large trusses from the axil of each leaf. \$1.50 per dozen; \$10.00 per 100.

PUERARIA THUNBERGIANA.

(Kudzu Vine.)

We offer a large stock of strong, 1-year-old plants of this rapid growing climber. \$1.00 per doz.; \$7.00 per 100.

SCHIZOPHRAGMA HYDRANGEOIDES.

(Climbing Hydrangea.)

One of the most interesting of our hardy climbers. Its flowers, which are borne in large trusses, are similar to white Hydrangea, and when in flower during July and August, make a handsome display. A limited stock of strong plants, 75 cents each.

WISTARIA SINENSIS.

Extra heavy two-year-old plants, 5 to 6 feet long, well rooted.

	Per doz.	Per 100
Blue	\$3 50	\$25 00
White	4 00	30 00

VITIS HENRYANA.

A new climber from China, foliage similar in outline but not as large as the Virginia creeper, foliage of great substance and prettily variegated, the ground-color being deep velvety-green, while the midrib and veins are of a silvery white. 60 cts. each; \$6.00 per doz.

Henry A. Dreer,

714 Chestnut St.,

PHILADELPHIA, PA.

The above prices are intended for the Trade only.

Ready With the Finest Lot of Palms We've Ever Put Out!

You have probably never seen a more handsome collection of Palms than we are offering this season—grown right here from seed in our houses by men who make that their business. Even with our past experience as Palm growers, we feel that we have made a new record with our present stock.

You will get better satisfaction—better service—from our Palms than from most others you can secure. They are of the

best quality obtainable; our large customers—purchasers who demand and pay for the best—come back to us, year after year, for their extensive stocks.

Our Palms are strictly home-grown; they are clean, thrifty, vigorous, and are worth more, plant for plant, than foreign-grown Palms of equal size; yet ours cost no more than imported plants, as the following prices will prove:

ARECA LUTESCENS.

3 plants in pot.	Each
6-in. pot, 26 to 28 in. high...	\$1.00
7-in. pot, 30 to 32 in. high...	2.00
8-in. pot, 36 in. high	2.50
8-in. pot, 42 in. high	3.00

COCOS WEDDELLIANA.

	Per 100
2½-in. pot, 8 to 10 in. high,	\$10.00

KENTIA BELMOREANA.

6 to 7 leaves.	Per doz.	Per 100
5-in. pot, 18 inches high	\$6.00	\$50.00
5-in. pot, 20 inches high	9.00	70.00



KENTIA BELMOREANA.

6 to 7 leaves.	Each	Doz.
6-in. pot, 22 to 24 in. high	\$1.00	\$12.00
7-in. pot or tub, 32 to 34 in. high	2.00	24.00
9-in. tub, 5 ft. high	7.50 and	
	\$8.00 each.	

MADE UP KENTIA FORSTERIANA.

	Each
7-in. pot or tub, 4 plants in pot, 36 in. high	\$ 2.50
9-in. tub, 4 plants in tub, 42 to 48 in. high	4.00
12-in. tub, 4 plants in tub, 6 ft. high	15.00

PHOENIX ROEBELENI.

5-in. pots, nicely characterized	\$1.00
6-in. pots, nicely characterized	1.50

We are already booking large orders and are now in excellent shape to give the best possible attention to your wants. Can ship anywhere by freight with perfect security.

Write for full particulars, with prices; or, if possible, call and inspect our stock. We are easily reached from Philadelphia and you will find a trip to our plant decidedly interesting. Let's get better acquainted!

JOSEPH HEACOCK COMPANY, Wyncote, Pennsylvania.

GRAFTED ROSES.

Killarney, White Killarney, My Maryland, Bride, 'Maid, Richmond, Golden Gate, Mrs. Jardine and Chateaufort, all \$15.00 per hundred.

FIRST CLASS STOCK. IMMEDIATE DELIVERY.

Also a full line of OWN-ROOT STOCK, of all the Standard Varieties.

CHARLES H. TOTTY, MADISON, N. J.

ROSES

Our young bedding roses are in grand condition, of fine size and well grown.

Write for descriptive catalog and prices.

THE E. G. HILL CO.,
Richmond, Indiana.

DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

Catalogue Free

J. L. MOORE, Northboro, Mass.

Orchids Fresh Stock. Just Arrived.

Cattleya Trianae, per case, \$40.00. Labiata, per case, \$50.00. In splendid season for strong growth and flowers the first season.

Successors to G. L. Freeman.

G. L. FREEMAN CO.
FALL RIVER, MASS.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

IMPORTED ORCHIDS

Now Arriving

Julius Roehrs Co.
RUTHERFORD, N. J.

LORRAINE BEGONIAS

For Immediate Delivery

2½ in. pots, \$15.00 per 100. \$140.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors, \$50.00 per 1000

THOMAS ROLAND, Nahant, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum scepterum.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum scepterum.

CARRILLO & BALDWIN,
Mamaroneck, New York.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

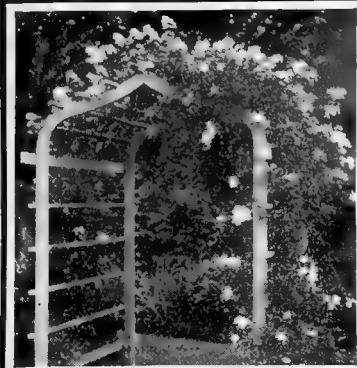
Send for Price List.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.



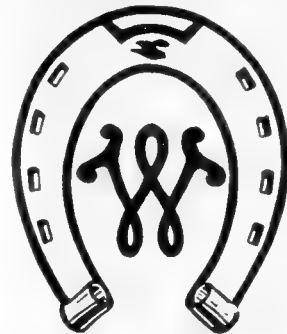
Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,
Mount Hope Nurseries, Rochester, N. Y.



**"NOT HOW CHEAP—
BUT HOW GOOD"**

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA

June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century,
Rose Pink Century, Virginia Naule,
Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts,
\$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN,
JUNCTION, N. J.

Evergreens

in large variety—some
rare specimens

Rhododendrons

Native and Hardy Hybrids

**HARDY
NORTHERN
CROWN**

Trees, Shrubs,
Vines, Roses

In great variety

Herbaceous
Perennials

CATALOGUE AND PRICE LIST MAILED FREE

THE BAY STATE NURSERIES,

NORTH ABINGTON, MASS.

NEWS NOTES.

J. A. Peterson has sent out a handsome colored plate of his new seedling begonia, "Glory of Cincinnati." The picture represents a plant in 4-inch pot and well displays the wonderful profusion of bloom on this sterling novelty.

Pansies, like most other plants, are advanced far beyond the average at this season of the year in the vicinity of Boston, being practically in the condition now that they would be in middle May in ordinary years. Leonard Cousins, Jr., at Concord Junction has 250,000 of them and they are a sight rarely seen in April in this latitude. He is shipping them largely to the trade.

Harry S. Miller, at Bella Vista, West Fairview, Penn., sustained a loss of about \$3,000 on Sunday, April 11. A forest fire came to within a few rods of Mr. Miller's greenhouses which, together with his residence, were saved after much hard work by a bucket

brigade, the fire having put out of commission his pipe line from a spring some distance up the mountain. The loss was confined to timber land, wagons and some tools.



Privet GROWN for Hedges

Satisfactory hedges are only obtained by proper nursery treatment. Plants **not** properly treated in the nursery must be cut back close to the ground and practically started all over again. Our California privet is grown specially for hedges and makes a dense growth of dark green, very shiny, ornamental foliage.

	Price per 100	Per 1000
12 to 18 inches	\$2.50	\$25.00
18 to 24 "	3.00	30.00
24 to 30 "	3.50	35.00
30 to 36 "	4.00	40.00
Small plants by mail, postpaid	4.00	20.00

W. JERSEY NURSERY CO., - Bridgeton, N. J.
29 Magnolia Avenue.

*In ordering goods please add "I saw
it in HORTICULTURE."*

Horseshoe Brand Products

It is not the man who does different things than others who earns recognition—it's the man who does the same thing better.

In order to do the same thing better in the lily growing business, you must first have a solid foundation—the best bulbs.

Horseshoe Brand lily bulbs are of superior quality and will average better than any other brand known.

Write for prices.

RALPH M. WARD & CO.

12 West Broadway, - - - New York

All varieties of Cold Storage
Lily Bulbs on hand for sale.

HEADQUARTERS FOR SPRING BULBS

Begonias, Caladiums, Cinnamon and Madeira Vines, Cycas Stems, Iris Roots, Cannas.

250 VARIETIES DAHLIAS

We are headquarters for Dahlias and can supply every worthy sort; highest quality at lowest price.

Our selection best commercial sorts. \$1.00 per Dozen. \$8.00 per 100

Gladioli by the 100 thousand, Japanese Lilies, Tuberoses, Fern Balls.

Everything in bulbs, seeds, plants and horticultural supplies. Our catalogue will interest you. Send for copy to-day. Lowest wholesale prices for good goods.

Henry F. Michell Company, 518-1018 Market St., PHILADELPHIA, PA.

Seed Trade

A Breathing Spell.

The cool weather of the past week has slowed down the rush of trade to a sufficient extent to allow retail houses to catch up with arrears. These little outbursts of winter are really a blessing to the retail seedsmen, enabling him to catch up with delayed orders and get a breath or two before the next rush. They relieve the high pressure under which most retailers work at this season of the year, and allow them to get through the larger part of the year's work in three or four months.

The Help Problem.

The matter of experienced competent help has become more acute than ever before, and most houses are working under more or less of a handicap in this respect. Reference has been made to it so often in trade journals that it seems needless to mention it again, but the fact is it will not down, and continues to vex the souls of those who are directing affairs wherever there is a large retail and counter trade. We have no solution of this problem to offer at present. Wish we had.

Onion Sets and Seed Corn.

There are reports that onion sets are cleaning up well, and in fact, that high grade sets are really becoming short, particularly whites. Onion sets and potatoes seem to have reversed form. Sugar corn has become very scarce and early varieties in particular. Present prices show a sharp advance over those ruling in January. The Corys, White and Red are quoted

at \$3.50 to \$4.00, and are very scarce even at these figures. Golden Bantam is procurable at around \$4.00 to \$4.25 and Crosley's Early and Early Minnesota at \$3.00 to \$3.50. Late and medium early varieties are easier, but even these are up 50c. per bu. above January quotations. Good sound field corn of strong germination is very scarce, and all varieties of seed corn are very strong. If any considerable replanting should be necessary, where could the seed be found?

The Pea Situation.

Peas are going into the ground rapidly and we are likely to hear many complaints of poor stands, as a considerable percentage of the seed is almost certain to fail of germination and especially the sweet wrinkled varieties. Still early planting is a justifiable risk, but those who take it should not complain of failure. All large podded peas such as Gradus, Thomas Laxton, Sutton's Excelsior, Duke of Albany, Alderman, Telephone, etc., are now out of the market, and are not procurable in quantity at any price. If early plantings of these are lost, it will be irreparable, as there are no reserves for replanting. The same may be said of the leading varieties of green pod beans, and truck farmers should bear this continually in mind.

Notes.

There is likely to be a change soon in the firm of Howard & Morrow of Pittsfield, Mass., one of the partners retiring. This business was started nearly a quarter of a century ago, and under able management has grown to large proportions. Few firms rank higher in their immediate community or wherever known.

O. H. Dickinson, the popular seedman of Springfield, Mass., reports a booming trade. The genial "Dick" is supremely happy. More power to him.

The old and reliable house of Cadwell & Jones of Hartford, Conn., were never so busy as now. They are sighing for a few of those midnight suns such as our Alaska friends enjoy to enable them to keep up with their orders.

CATALOGUES RECEIVED.

Horace B. Keizer, Reading, Mass.—Illustrated Pocket List of Hardy Evergreens, Lawn Trees, etc.

E. Gill Nursery Company, West Berkeley, Cal.—Descriptive Catalogue of Roses, Palms, Shade and Ornamental Trees.

Blue Hills Nurseries, W. W. Hunt & Co., Hartford, Conn.—Catalogue of Trees, Roses, Evergreens, etc. A neat well compiled and well-printed catalogue.

W. A. Manda, South Orange, N. J.—Pocket Garden Dictionary and Catalogue of Everything Pertaining to Horticulture, 1910. Well-named. A very complete list of choice material and new introductions.

Lord & Burnham Co., New York.—Leaves from the Handy Hand Book. A glance at these sample pages will convince the reader that he should send post haste for a complete copy of the Handy Hand Book, 1910 Edition.

Wood Bros., Fishkill, N. Y.—Trade List, January to May, 1910, of Plants and Rooted Cuttings. Here is an excellent selection of cannas, carnations, chrysanthemums, grafted roses, verbenas and miscellaneous spring plants.

Julius Roehrs Company, Ruthersford, N. J.—Catalogue of Orchids. Catalogue of Stove and Greenhouse Plants. These two publications are beautifully gotten up, on heavy coated paper, and filled with superb half-tone illustrations. They well represent the leading position in the American trade which this widely-known house has attained to.

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

PHILADELPHIA NOTES.

Among our visitors this week:—J. B. Deamud, Chicago; Walter F. Fancourt, Doylestown; John G. Gardner, Bryn Mawr; Edward A. Parker, West Grove; Antoine Leuthy, Boston.

We had a pleasant visit this week from Kroeschell Bros. Co.'s able representative, Fred Lautenslager. This gentleman does not belie his picture. Full steam ahead all the time.

Samuel S. Pennock and five other citizens of Lansdowne are a committee to award prizes for the History Club for the best kept lawns in the borough next June. The beautifying of Darby Creek is another project the committee has at heart.

M. Rice at latest reports is scouring Europe for the latest and best in floral requisites, and the results of his quest will no doubt soon begin to materialize. The florists of America can be sure that this astute courier of progress will always find something new and good to tickle the aesthetic tastes of their customers.

Philadelphia is not much of a center for plant auction sales, but one happens once in a while. The latest was on the 11th inst. at Freeman's. A good sprinkling of the trade were present looking for bargains in roses, evergreens and shrubs. But there was nothing to be picked up cheap. Almost everything brought retail prices, and those who were looking for bargains wasted their afternoon. Walter Fancourt suggested that the high prices were an evidence that the public were educated up to appreciating and willing to pay good prices for good stock. Walter is right.

W. Atlee Burpee presided at the annual meeting of the Canadian Society held at the Hotel Walton on the 9th inst. Mr. Burpee was at his best and introduced the speakers in his own inimitable way. The affair was a great success and was given leading space in the dailies next day. Wm. Henry Maule, Howard M. Earl, Walter P. Stokes, A. E. Brown, Burnett Landreth and other seedsmen were among the guests, representing many of the brightest lights in official, business and professional life in this vicinity. Robert Craig and A. B. Scott were there to show that floriculture had a look-in. Cy. Warman, the Canadian poet and philosopher, made one of the most brilliant speeches of the evening—his slogan being "Canada's Glory Is Her Wheat." We congratulate Mr. Burpee on the successful outcome of his year in the presidency. Whatever he does, is always done well.

— PLANT NOW —

Gladiolus America	1000	100
" Augusta	\$35.00	\$4.00
" May	15.00	2.00
Caladium Esculentum	7	35.00
	9-11	70.00

O. V. Zangen, Seedsman, Hoboken, N. Y.

CATALOGUE

Designing and Illustrating
For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS
BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS
ONION SETS FLOWER SEEDS Get Our Prices 79 and 81 E. KINZIE STREET, CHICAGO

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Who Grows Asters

Should send for our Aster book immediately. Get your name on our files for our regular Florists' Wholesale Catalogue. These books are free.

James Vick's Sons
ROCHESTER, - N. Y.

Mention this paper

A SUBSTITUTE
For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY

BEET PLANTS	Per 100	Per 1000
EGG PLANTS	20c.	\$1.25
PEPPER PLANTS, Bull Nose,	40c.	2.00
Sweet Mountain and Ruby King	40c.	2.00
TOMATOES, Small Plants, Earli-		
ana, Early Jewel, Dwarf Stone and		
Champion, Ponderosa and Match-	30c.	2.00
less		
TOMATOES, Small Plants, Stone,		
Paragon, Favorite and Success	20c.	1.00
CASH WITH ORDERS		
R. VINCENT, JR., & SONS CO.		
White Marsh, Md.		

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE
Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CAULIFLOWERS
CABBAGE
LILY OF THE VALLEY PIPS.
HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

Thorburn's
Seeds

HIGHEST GRADE ONLY

Send for special wholesale catalogue
for Market Gardeners
and Florists.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet
Pea Seed is being mailed. If you have not
received a copy please send for one. New
crop of seed will be ready around July 15th
next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

SEED for FLORISTS
TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.
Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
26 & 27 So. Market St., BOSTON, MASS.

NEW CROP FLOWER AND VEGETABLE SEEDS

FOR FORCING

Asters, Salvias, Vincas, Verbenas,
Stocks and Petunias, Tomato "The
Don," Onion "Ailsa Craig," Mush-
room Spawn—English and Pure Cul-
ture. Special prices and catalogue on
application.

Seed Merchants & Growers
Weeber & Don, 114 Chambers Street, NEW YORK

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.



Stock Seed

Fiske's Branching in
all colors. Tr. pkt. 40c.
oz. \$4.00.
Pure White. Tr. pkt.
5 c. oz. \$5.00.
Also Beauty of Nice
strains.

H. E. Fiske Seed Co.,
Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

HAUSWIRTH THE FLORIST

Out of Town orders for Hospitals
Carefully filled.

**232 Michigan Ave.
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

FLOWER TRADE OF BARCELONA.

In transmitting a list of the leading flower dealers of Barcelona, Consul-General Frank D. Hill reports that there are no large flower stores in that Spanish city, cut flowers being generally bought on the Ramble de las Flores, a part of the principal thoroughfare, which is lined with open stalls, protected only by large umbrellas, having small stocks which are generally disposed of during the forenoon. On account of the mildness of the climate, flowers are grown out of doors the year round, the result being that during the cold snaps in winter it is almost impossible to get fine flowers of any sort—roses can not be had at any price. In spring and summer flowers are to be had in great profusion, although fine flowers seem to be always somewhat scarce. Pinks, commoner roses, camellias, etc., are the rule.

STEAMER DEPARTURES

American.

St. Louis, N. Y.-Shampton...Apr. 16

Atlantic Transport.

Minnewaska, N. Y.-London...Apr. 16

Minneapolis, N. Y.-London...Apr. 23

Cunard.

Caronia, N. Y.-Liverpool...Apr. 16

Insautia, N. Y.-Liverpool...Apr. 29

French.

La Touraine, N. Y.-Havre...Apr. 21

Hamburg-American.

Bluecher, N. Y.-Hamburg...Apr. 21

Pres. Lincoln, N. Y.-Hamburg...Apr. 23

North German Lloyd.

Pr. E. Wilh'm, N. Y.-Br'm'n...Apr. 21

K's'r W. Der G., N. Y.-Br'm'n...Apr. 19

K's'r'n Cecilie, N. Y.-Br'm'n...Apr. 26

Barbarossa, N. Y.-Medit'r'n...Apr. 16

Berlin, N. Y.-Mediterranean...Apr. 23

Red Star.

Vaderland, N. Y.-Antwerp...Apr. 16

Lapland, N. Y.-Antwerp...Apr. 23

Baltic, N. Y.-Liverpool...Apr. 16

Celtic, N. Y.-Liverpool...Apr. 23

Oceanic, N. Y.-Shampton...Apr. 20

Cretic, N. Y.-Mediterranean...Apr. 16

NEW FLOWER STORES.

Gary, Ind.—Franzen & Little, 644 Broadway.

Los Angeles, Calif.—Tassano Bros., 304 West 9th St.

Oswego, N. Y.—P. G. Campbell, Lackawanna Dock.

Muncie, Ind.—The Muncie Nursery Co., Wm. Humfeld, manager.

Waterbury, Conn.—The Flower Shop, Waterbury Bldg., Miss Nella B. Smith and Miss Helen G. Bangs.

BUSINESS CHANGES.

West Stoughton, Mass.—Southworth & Greene is now the firm name of the business formerly conducted in the name of Walter B. Southworth.

Sedalia, Mo.—John Gelven & Son have sold their entire establishment consisting of 13 greenhouses, office, store rooms, etc., to the Archias Floral Co. Chas. Gelven will be manager.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1550-1553 Columbus

M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St. NEW YORK

Our Motto—The Golden Rule

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

R

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN

124 Tremont St., Boston

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON

CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.

Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.

Tel. Wellesley 44-1 and 2 Night 14-3.

Obituary.

Mrs. W. J. Vesey.

Stricken by an attack of heart disease while riding on a street car, Mrs. Maggie S. Vesey, wife of Judge William S. Vesey, of Fort Wayne, Ind., one of the most prominent women in that city, died very suddenly on Friday evening, April 8, a moment after she had been taken from the car and assisted into a near drug store. Death was due to arteriosclerosis, combined with fatty degeneration of the heart, from which Mrs. Vesey had been suffering for some time. In all probability the fact that Mrs. Vesey had hastened in order to catch the car may have contributed to the crisis at this time.

Mrs. Vesey's age was 47 years. She was born in Decatur, a daughter of the late Judge David Studebaker, was educated at Decatur and in the Fort Wayne M. E. College, and was united in marriage to Judge Vesey on July



MRS. W. J. VESEY

25, 1882. Six children were born to this union, all of them, with the husband and father, surviving. Mrs. Vesey's love for flowers had led her to engage with her husband in business as a florist, the firm name being W. J. and M. S. Vesey. Under her management mainly, the business has of late years assumed large proportions and an extensive range of greenhouses are conducted, carnations being a strong specialty. Judge Vesey is a member of the Executive Board of the Society of American Florists and Mrs. Vesey, besides being active in the American Carnation Society, was prominent in the affairs of the Ladies' S. A. F., which she helped to organize and of which she was president two years ago.

Socially, Mrs. Vesey was widely known and her sunny temperament made her very popular. From what we have seen and know of her we think hers was a very happy life. Vivacious and companionable always she not only took the fullest enjoyment for herself, but diffused it irresistibly among all with whom she was brought

into association. She will be sorely missed.

Mrs. Anton Kill.

Mrs. Anton Kill, mother of Leonard Kill formerly of Chicago and now of Los Angeles, Cal., died at her home on Winnemac Ave., Chicago, at the age of 64. Funeral was from St. Mathew's church, Saturday, April 9.

NEWS NOTES.

Chicago, Ill.—The Beaudry Nursery Co. has purchased 100 acres as an addition to their nursery grounds and intend to enter the wholesale field.

Davenport, Ia.—Henry Pauli has purchased the H. B. Campbell place, adjoining his present plant, which consists of 2½ acres of land and three houses 23 x 100 feet each.

Amherst, Mass.—A. Foster Johnson, 5 and 6 Woodside Ave., will conduct a general florist and horticultural establishment under the name of Union Gardens. Products will be sold both at wholesale and retail.

Clayton, Mo.—A. Werner & Bro. are building, as was reported in last issue, two rose houses 32 x 165 feet. In addition to these they have two houses 32 x 162 feet, one 8 x 80 feet and one 18 x 115 feet, giving them a total of 15,000 square feet of glass. Their heating plant is one 120 h. p. steam boiler and one 35 h. p. They intend to put in an electric lighting plant for the new houses.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y. H. G. Eares, 11 N. Pearl St.

Boston Thos. F. Galvin, 124 Tremont St.
Boston Edward MacMulkin, 194 Boylston St.

Boston Hoffman, Florist, 59-61 Massachusetts Ave.

Boston Julius A. Zinn, 2 Beacon St.

Boston The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y. Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y. Palmer's, 304 Main St.

Chicago Hauswirth, "The Florist," 232 Michigan Ave.

Chicago William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass. H. V. Lawrence.

Kansas City, Mo. Samuel Murray, 1071 Broadway.

Kansas City, Mo. Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky. Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis. C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York M. A. Bowe, 1294 Broadway

New York Dards, N. E. cor. 44th St. and Madison Ave.

Toronto, Can.—J. H. Dunlop, 96 Young St.

Washington, D. C. Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby

G. O. A. HEINL, TOLEDO, OHIO

ALL ORDERS PROMPTLY EXECUTED

LILIES
\$12.00 per 100.
WHITE and YELLOW DAISIES
\$1.50 and \$2.00 per 100.
VALLEY
\$3.00 and \$4.00 per 100.
SWEET PEAS
75c. and \$1.00 per 100.
KILLARNEY
a large supply of extra good quality.

LEO NIESSEN CO.
WHOLESALE FLORISTS
1209 Arch Street, - PHILADELPHIA, PA.

**To Cut Flower Growers and
Retail Florists**

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

DAGGER FERNS
GALAX Bronze Green,
Highest Quality. Lowest Prices

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR
51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE
CUT FLOWERS
37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004
WINTERSON'S SEED STORE
45-47-49 Wabash Ave., Chicago.
Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.
33-35-37 Randolph St., - CHICAGO

CUT FLOWERS
Greenhouses - Morton Grove, Ill.

Rice Brothers
115 N 6th Street, MINNEAPOLIS, MINN
WHOLESALE FLORISTS and SUPPLIES
CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO April 12	TWIN CITIES April 12	PHILA. April 12	BOSTON April 14
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 25.00	30.00 to 35.00	20.00 to 25.00	25.00 to 35.00
Extra	15.00 to 20.00	20.00 to 30.00	15.00 to 20.00	15.00 to 20.00
No. 1	10.00 to 15.00	12.00 to 20.00	12.00 to 15.00	10.00 to 15.00
Lower grades	5.00 to 10.00	8.00 to 12.00	5.00 to 10.00	3.00 to 8.00
Bride, 'Maid, Chatenay, F. & S.	5.00 to 8.00	6.00 to 8.00	8.00 to 10.00	5.00 to 8.00
Lower grades	3.00 to 5.00	4.00 to 6.00	3.00 to 6.00	.50 to 1.00
Killarney, My Maryland, Fan. & Sp.	5.00 to 8.00	8.00 to 12.00	8.00 to 10.00	6.00 to 12.00
Lower grades	3.00 to 5.00	6.00 to 8.00	3.00 to 6.00	.50 to 2.00
Richmond, Fancy & Special	5.00 to 8.00	8.00 to 12.00	10.00 to 15.00	6.00 to 12.00
Lower grades	3.00 to 5.00	6.00 to 8.00	4.00 to 6.00	.50 to 2.00
CARNATIONS, Nov. and Fan.				
Ordinary	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 2.50
	1.00 to 2.00	2.00 to 3.00	1.00 to 2.00	1.00 to 1.25
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	35.00 to 50.00	50.00 to 60.00	40.00 to 60.00
Lilies	5.00 to 10.00	12.50 to 15.00	10.00 to 12.50	6.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Daffodils	1.00 to 2.00	2.00 to 2.50	3.00 to 4.00	1.00 to 1.50
Tulips	1.00 to 2.00	2.00 to 3.00	4.00 to 5.00	1.00 to 1.50
Daisies	.50 to 1.00	1.00 to 1.00	1.00 to 2.00	1.00 to 2.00
Snapdragon	3.00 to 6.00	6.00 to 8.00	8.00 to 10.00	2.00 to 3.00
Hyacinths	2.00 to 4.00	3.00 to 4.00	4.00 to 5.00	2.00 to 4.00
Violets	1.00 to 1.75	1.00 to 1.75	1.00 to 1.75	.20 to .60
Mignonette	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Sweet Peas	.75 to 1.00	.75 to 1.00	.50 to 1.00	.25 to 1.00
Gardenias	20.00 to 25.00	20.00 to 35.00	8.00 to 25.00	8.00 to 12.00
Adiantum	1.00 to 1.00	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 12.00	12.00 to 15.00	25.00 to 25.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	40.00 to 50.00	50.00 to 50.00	50.00 to 50.00
" " & Spreng. (100 bchs.)	20.00 to 30.00	25.00 to 35.00	50.00 to 50.00	50.00 to 50.00

The J. M. McCullough's Sons Co.
WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED
Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

5,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

HERE'S GOOD NEWS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, *Nephrolepis magnifica*; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place, Boston, Mass.

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.
Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers Roses and Carnations Our Specialty

Flower Market Reports.

BOSTON

Roses of all varieties and grades are coming in profusion, although not as heavily as in the hot spell of last week. They are not selling as well as they should, even the street vendors refusing to have anything to do with the heaps of short-stemmed and culls and insisting on getting the better grades, but at slaughter prices. Carnations have shortened up very materially in supply, but are suffering from the same trouble as the roses. It is a fact that, while the receipts of stock are very much reduced from last week, and general conditions seem favorable to good trade, the demand is not to be compared with that of last week, when the deluge was on. The effect of the heated term is yet noticeable in the keeping quality of the flowers, which is not high. It is worthy of record that while there is still an abundance of good violets to be had, they are actually unsalable, even the street fakirs finding no outlet for them at any price. Sweet peas and mayflowers they can and do sell in any quantity. It seems to follow that it is not worth the effort to try to have violets in the market at this season of the year, in the present popular frame of mind.

BUFFALO

For two weeks past and up to Saturday last the market was in bad condition, though it cannot be said that trade was quiet; but there was too much material and it could not be disposed of to good advantage. The few days of summer weather brought on the stock faster than could be handled, especially carnations and roses. In this line there was no let-up. The finest quality of Kaiserin, Pres. Carnot, Killarney, both pink and white, Maryland and other varieties were had in enormous supply and prices were all chopped to pieces. It was a case of the buyers making the price and large quantities were carried in the coolers from day to day. This includes Beauties, which had little or no demand. Other stock such as peas, daisies, violets and lily of the valley had a good call and cleaned up. Carnations were in over-supply. The end of the past week found a good demand, the cemetery florist helping out considerably. Outdoor daffodils and other stock have made their appearance. Monday of the present week showed a falling off in receipts and an improved demand, and a good portion of the carried-over stock was consumed. Smilax and asparagus are scarce.

DETROIT

Last week was ideal hard-vest weather for the fakirs. Supply of all kinds of flowers was as abundant as the week previous with a strong decline in counter sales and order trade. While there was no change whatsoever in either wholesale or retail prices, this was only accomplished by hard work and strong determination. The busiest man around town just now is the planter of nursery stock. He knows no hour of beginning or stopping except as Old Sol prescribes it. I would not wonder if some of them were not silently praying that the tail of Halley's comet might shed sufficient light to enable them to start earlier.

(Reports continued on page 601)



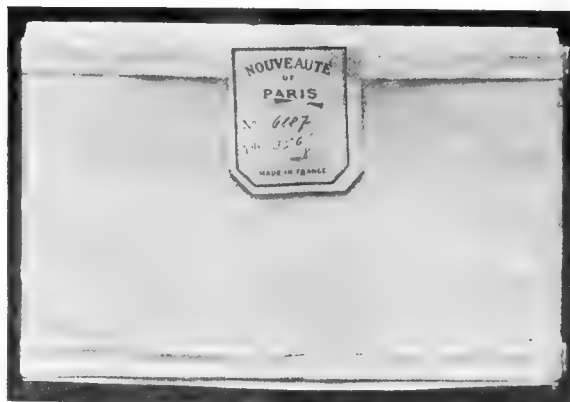
Special Offer On Chiffon "6887"

This is the best quality of Chiffon on the market. We have just received a big shipment from abroad and offer for immediate orders:

5½ c yard

6 inch width only. The heavy gauze edge on this pattern makes it particularly desirable.

Stock Colors:—
White, pink,
violet, purple.



Chiffon, Gauze Edge, Pattern "6887."

OTHER HIGH QUALITY CHIFFONS

Plain,	Pattern No.
"	5101, 4 inch, 2½ c yard
"	5102, 6 inch, 3½ c yard
"	5103, 10 inch, 7c yard
Fancy Dotted Lace Edge,	5102A, 6 inch, 7c yard
Valley,	5102A, 6 inch, 7c yard

All our chiffons average about 35 yards to the piece. No piece is charged for more yards than it contains. We do not bill out short pieces as equivalent to full measure.

CEDAR BARK.

Window Box time. Have you plenty of Cedar Bark? Bundles of about 25 square feet, \$1.00 each. Special price in quantity.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW STREET,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	April 12		April 12		April 12		April 12	
ROSES								
Am. Beauty, Fan. and Sp.....	10.00	to 15.00	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00
“ Extra	6.00	to 8.00	20.00	to 25.00	15.00	to 20.00	15.00	to 18.00
“ No. 1.....	3.00	to 5.00	10.00	to 25.00	8.00	to 10.00	8.00	to 12.00
“ Lower grades.....	2.00	to 3.00	6.00	to 10.00	2.00	to 4.00	4.00	to 6.00
Bride, 'Maid, Chateau, F. & S.....	4.00	to 8.00	6.00	to 8.00	.....	to 8.00	0.00	to 10.00
“ Low. gr.....	3.00	to 4.00	3.00	to 6.00	2.00	to 6.00	.....	to 4.00
Killarney, My Maryland, Fan. & Sp.....	4.00	to 8.00	6.00	to 8.00	8.00	to 10.00	6.00	to 10.00
“ Lower grades.....	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00	.....	to 4.00
Richmond, Fancy & Special.....	4.00	to 8.00	6.00	to 8.00	8.00	to 10.00	6.00	to 12.00
“ Lower grades.....	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00	.....	to 4.00
CARNATIONS, Novelties and Fancy								
“ Ordinary	1.00	to	1.00	to 2.00	2.00	to 2.00	.....	to 1.50
MISCELLANEOUS								
Cattleyas.....	.....	to 75.00	.....	to .....	.....	to .....	.....	to 75.00
Lilies.....	10.00	to 15.00	12.50	to 15.00	6.00	to 10.00	8.00	to 10.00
Lily of the Valley.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Daffodils.....	2.00	to	2.00	to 3.00	1.00	to 2.50	.....	to 1.00
Tulips.....	2.00	to	3.00	to 4.00	1.00	to 2.50	.....	to
Daisies.....	.25	to .35	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Snapdragon.....	.50	to 1.00	4.00	to 6.00	3.00	to 5.00	.....	to
Hyacinths.....	3.00	to	6.00	to 8.00	.....	to .....	.....	to
Violets.....	.....	to .....	.50	to .75	.40	to .60	.25	to .50
Mignonette.....	5.00	to 8.00	4.00	to 6.00	2.00	to 3.00	1.00	to 4.00
Sweet Peas.....	.50	to 1.00	.50	to 1.00	.50	to 1.00	.35	to 1.00
Gardenias.....	25.00	to 35.00	.....	to	20.00	to 25.00	.....	to
Adiantum.....	1.00	to .....	.75	to 1.00	.75	to 1.00	.....	to 1.25
Smilax.....	15.00	to .....	.....	to 15.00	15.00	to 20.00	20.00	to 25.00
Asparagus Plumosus, strings (100).....	35.00	to	to 25.00	50.00	to 60.00	30.00	to 50.00
“ “ & Spreng. (100 bchs.).....	25.00	to	to 25.00	25.00	to 50.00	30.00	to 50.00

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 till 10 a. m. **CUT FLOWERS**
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Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Apr. 9 1910		First Half of Week beginning Apr. 11 1910	
American Beauty, Fancy and Special.....	15.00	to 25.00	25.00	to 25.00
" " Extra.....	10.00	to 12.00	12.00	to 15.00
" " No. 1.....	6.00	to 8.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 4.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Killarney, Fancy and Special.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 3.00
Richmond, Fancy and Special.....	4.00	to 10.00	3.00	to 12.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
My Maryland.....	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.50
" " Ordinary.....	.50	to 1.00	.75	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
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PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

Flower Market Reports

(Continued from page 543)

A good Saturday and CHICAGO Sunday closed a dull week, and Monday, April 11, opened with a fairly good demand for good stock. As one wholesaler expressed it, "We again count our flowers instead of selling them by the jar." American Beauties are going off crop and one or two growers are happy in having their stock an exception to the rule. There is seemingly no end to the quantity of short Beauties now on the counters, but long ones are very scarce. Roses of all kinds are plentiful, but the supply is much less than a week ago. Southern bulbous stock is not coming in in such quantities and the home grown under glass is practically over. Carnations are moving now, fairly well, with fancy red as usual bringing the highest price. Violets are entirely gone.

Lilacs came from South in an overheated condition a week ago, and were in consequence unsalable. At this writing there are few in the market and the cooler weather is in favor of a more successful outcome to the next shipments. Among the slow moving flowers are the forget-me-nots, though the quality is right, and paper white narcissi which have not sold so well as usual all the season. Lilies are accumulating on the counters, and the buyers can get them now at their own price. Ferns are taking up the spare time when business is slack, sorting over and discarding the worthless ones. "Snow" ferns are arriving and many of them are black and dead. So many old ferns are in cold storage, however, that the price is low for the season.

Business the past CINCINNATI week has been very quiet. Complaints from both wholesaler and retailer show this to be the dulllest week they have experienced this season. With another week of bright summer weather stock comes pouring into the market with little or no outlet, and the consequence is that it finds its way to the ice-box, going thence at starvation prices to the street venders or else to the garbage barrel. Roses, with the exception of Beauties, seem the hardest to move—that is, to realize much money out of them. Beauties have been in fairly good demand, selling for \$3.00 a dozen for best, down to \$2.00 per 100 for shorts. With carnations, \$3.00 for extra fancy stock is rarely obtained, the majority of the sales being made for \$1.00 down to 50 cents per 100. Callas and Harrisii lilies are hard to move, even at reduced prices. There being only a limited supply of lily of the valley coming in, it cleans out every day. The market has been short of good sweet peas, for which there was a good demand. Tulips and Dutch hya-



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WHOLESALE COMMISSION FLORISTS

Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN
EVERGREEN, ALABAMA.

FLOWER GROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. WHOLESALE FLOWERS ONLY.

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106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Apr. 9 1910		First Half of Week beginning Apr. 11 1910	
Cattleyas	35.00	to 60.00	35.00	to 60.00
Lilies	2.00	to 4.00	3.00	to 5.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Trumpet Narcis.....	.50	to 1.00	.50	to 1.00
Tulips.....	.50	to 2.00	.50	to 2.00
Violets.....	.15	to .20	.25	to .50
Niglonette	1.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bchs)	2.00	to 6.00	2.00	to 6.00
Gardenias	6.00	to 12.00	5.00	to 12.00
Adiantum	1.00	to 1.25	1.00	to 1.25
Smilax	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings	25.00	to 35.00	25.00	to 35.00
" " & Spren. (100 bchs)	25.00	to 35.00	25.00	to 35.00

cinths are hard to dispose of at any price. Smilax is scarce, but all other green goods are in abundant supply.

Cooler and more seasonable weather together with the working off of the heavier part of the crops which had been urged along for the Easter period have helped to relieve the market very much the present week and while actual sales do not indicate much in the way of higher prices yet the proportion of goods sold, as compared with receipts is so much better than was the case last week that there is a much better net result to the grower. The relief, such as it is, cannot, however, be more than temporary as lilacs and other outdoor as well as indoor material are ready to break in on the scene in an avalanche in response to the next period of high temperature which is liable to arrive at any moment. In a broad way the spring season has been a disappointment to all concerned and not much reliance is placed on any predictions of improvement.

The market here PHILADELPHIA has not improved any. Last week was lifeless except on Monday, Friday and Saturday. Towards the end of the week there was a slight shortening up

of shipments, consequent on a few cooler days. This helped a little, but on the whole the situation was far from encouraging. Long-stemmed roses cleaned up fairly well as did good carnations, but there was a large surplus in the lower grades. The violet crop is practically over for the season. Lily of the valley is in fair demand and normal as to supply. A good word can be said for orchids. These were not over-plentiful and cleaned up better than most other things. Smilax is the only short item in greens. We need a P. Welch to show us how to get this item on a level basis this time of year. Good snapdragon of the brighter colors is a feature.

H. Bayersdorfer & Co., of Philadelphia are represented this week by a big display of standard florists' supplies at the Quincy House, Boston. Martin Reukauf, S. Green and Sydney Bayersdorfer are in charge, and their time is fully taken up with the numerous trade callers who are taking advantage of this good opportunity to stock up with seasonable goods for the Memorial Day demand.

SOUTHERN WILD SMILAX
Fully Guaranteed.
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AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, pot-grown, 2 to 4 ft., 6c. Levant Cole, Battle Creek, Mich.

ARAUCARIAS

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Asparagus plumosus from 2½ inch pots, \$2.50 per 100; \$22.50 per 1000. Cash with order, please. Floral Hill Gardens, C. F. Neipp, Prop., Chatham, N. J.

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Begonia Lorraine and Agathe, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

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Box Trees all sizes. Ask for special list. Julius Roehrs, Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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Rooted Cuttings.

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Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Centauras, Emperor William, double blue, double white, 25c. per 100; \$2.00 per 1000. W. E. Trimble Greenhouse Co., Princeton, Ill.

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WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonnaillon, Y. Eaton, Cremona, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list.
Wm. Swayne, Box 215, Kennet Sq., Pa.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

Gloria, a large early Enchantress pink mum; Pres. Taft, a huge glittering white midseason; both have stems and foliage unsurpassed. Rooted cuttings now ready, \$1.00 per 25 prepaid; \$3.75 per 100. Gloria, 2½-in., \$5.00 per 100. Chas. Frost, Kenilworth, N. J.

Chrysanthemums R. C. Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria \$4.00 per 100; \$35.00 per 1000. Virginia Poehlmann, \$2.50 per 100. Baby Margaret, \$3.00 per 100. Stafford Floral Co., Stafford Springs, Conn.

Chrysanthemums, rooted cuttings: Polly Rose, T. Nonin, Yellow Bonnaillon, Ivory, Amorita, \$7.50 per 1000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CINERARIAS

300 Cinerarias, 3½ in., budded, nice plants, ready for 5 in.; nice mixture, 8c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

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Clematis paniculata, in 1½ in. pots, strong, well rooted plants, fine for mailing or lining out. 25c. each; \$20.00 per 1,000; \$18.00 per 1,000 in 5,000 lot. Cash. H. G. Norton, Perry, Lake Co., Ohio.

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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Cyclamen splendens giganteum hybrids. The strain which I offer is unsurpassable. August seedlings twice transplanted from flats, in five colors, including fringed varieties, \$3.00 per 100, \$25.00 per 1000; from 2½-in. pots, \$5.00 per 100, \$45.00 per 1000. Paul Mader, East Stroudsburg, Pa.

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Peacock Dahlia Farms, Williamstown Junction, N. J.
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Dahlia Bulbs, all varieties listed below 5c. each, 50c. per doz., \$4 per 100.

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Above stock is field-grown, sound and true to name. Catalog free to all. C. Peirce, Dighton, Mass.

Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yelive, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

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Dahlias. C. W. Bruton, good yellow, and Sylvia, long stemmed pink. Either field clumps or divided. Write for prices. E. E. Stewart, Rives Junction, Mich.

Dahlia bulbs, mixed varieties, while they last, \$1.00 per bushel. S. C. Smith, Floriculturist, Canton, Ohio.

Dahlias, 20 kinds, \$1 Grand Prize, St. Louis. Gold Medal, Buffalo Catalogue H. F. Burt, Taunton, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

400 Marguerite Daisies, large white, large branchy plants, from 3 in., ready for 5 in. or bench. Just right for Memorial Day; well budded, 5c. Cash. W. J. Scheonman, Danielson, Conn.

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Godfrey Aschmann, Philadelphia.
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New England Nurseries, Bedford, Mass.
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D. Hill, Dundee, Ill.
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A. Leuthy Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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A. N. Pierson, Cromwell, Conn.
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Robert Craig Co., Philadelphia, Pa.
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1000 Boston Ferns, 2 in. pots, 3c.; \$25.00 for the lot, or will exchange for Nutt geraniums, White Perfection, Enchantress and Winsor carnation. E. A. Chipman, Woonsocket, R. I.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.
Evergreen Brand Fertilizer.
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Wm. Elliott & Sons, New York, N. Y.
Clay's Fertilizer.
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FEVERFEW

Feverfew R. C. 75c 100 prepaid. Chas. Frost, Kenilworth, N. J.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

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Immortelle Letters.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.
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S. S. Pennock-Meehan, Philadelphia, Pa.
Tying Tape, Cedar Bark and Ribbons.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Thousands of Geraniums, mixed, all double. 2½-in. \$2.50 per 100. 3-in. \$4.00 per 100. Mme. Sallerol out of 2 inch, fine plants, \$2.00 per 100. Verbenas out of 2 inch, separate colors or mixed, \$2.00 per 100. Mixed double Petunias, \$2.50 per 100, out of 2½-in. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbrirer, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$18.00 per 1000. Gen. Grant \$2.00 per 100, \$14.00 per 1000. Jas. Ambacher, West End, N. J.

Mme. Sallerol geraniums, 2 in., \$1.50, 100. Cash. Geo. Connors, So. Market St., Galion, O.

Rose Geraniums 2½ in. \$2.50 per 100. Chas. Frost, Kenilworth, N. J.

GLADIOLI

J. L. Moore, Northboro, Mass.
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E. S. Miller, Wading River, L. I., N. Y.
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Gladioli—Brenchleyensis and Buchanan, first and second sizes, also planting stock of same at special prices. Other varieties and strains. Contracts made for fall delivery. My soil, climate and method are well adapted to the production of mature, sound stock. John H. Umpleby, Lake View, N. Y.

Gladioli. Groff's Hybrids. White light and yellow mixture. Pink and shades of pink mixture. All first sized bulbs, at \$1 per 100, \$7 per 1000. C. Peirce, Dighton, Mass.

Gladiolus Alice Carey, the best white in cultivation, No. 1, \$5.00 per 100; \$40.00 per 1000. America, No. 1, \$4.00 per 100; \$30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

Gladiolus seed from choice mixture. \$2.00 per lb. C. V. Woodruff, Orange, Conn.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber
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Parshelsky Bros., Inc., 59 Montrose Ave.,
Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metro-
politan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Green-
house Glass. Lord & Burnham Co., 1133
Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham
Co., 1133 Broadway, N. Y. Special Glazing
Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, cas-
tles, globes, aquariums, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
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Pecky Cypress for Benches.
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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-
Iron Greenhouse, New Truss Houses and
Iron Frame Houses. Lord & Burnham Co.,
1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.
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Hitchings & Co., 1170 Broadway, New York.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

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28 and 40 Broadway, Detroit, Mich.
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Rice Bros., Minneapolis, Minn.
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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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HOLLYHOCKS

Hollyhocks, double, in separate colors—
out of 4 in. pots—extra heavy and healthy.
Price \$8.00 per hundred. A. L. Miller,
Florist and Nurseryman, Jamaica Ave. opp.
Schenck Ave., Brooklyn, N. Y.

HOSE

Henry A. Dreer, Philadelphia, Pa.
Garden Hose.
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Mineralized Rubber Co., New York, N. Y.
Anchor Greenhouse Hose.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS.

Hydrangea Arborescens grandiflora alba.
The true large flowering forcing variety,
warranted true 2½-inch pots at \$3.00 per
hundred, one year field grown strong 12
to 18 inches, \$6.00 per hundred, \$55.00 per
thousand. New Trade List ready. Write
for it today. The Good & Reese Co.,
the largest Rose growers in the world,
Springfield, Ohio.

Hydrangea Otaksa, very strong, rooted
cuttings, ready for 3 in. pots, \$2 per 100.
Strong 3 in. pot plants, \$4 per 100. F. J.
Langenbach, Florist, Norwich, Conn.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
Scalecide.

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Aphine.

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IRIS

E. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IRON VASES

Walbridge & Co., Buffalo, N. Y.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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Hardy Japanese Lilies.
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LILY OF THE VALLEY PIPS

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20 Copenhagen, Denmark.
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LOBELIAS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Nursery and Florists' Products.

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Ellwanger & Barry, Rochester, N. Y.
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Bay State Nurseries, North Abington, Mass.
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C. R. Burr & Co., Manchester, Conn.
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Dingee & Conard Co., West Grove, Pa.
Ornamental Shrubs.

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Lancaster County Nurseries, Lancaster, Pa.
California Privet.

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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

OLD ENGLISH GLAZING PUTTY

Hammond's Paint & Slug Shot Works,
Fishkill-on-Hudson, N. Y.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordonez Bros., Madison, N. J., Box 106.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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G. L. Freeman, Fall River, Mass.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs, Rutherford, N. J.

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ORCHID PLANTS — Continued

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Philadelphia, Pa.

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Joseph Heacock Co., Wyncote, Pa. Home-Grown Palms.

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John Scott, Brooklyn, N. Y.

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A. N. Pierson, Cromwell, Conn.

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PANSY PLANTS.

Ready now. 250,000 fine large fall transplanted Pansies in bud and bloom. Superb strain, the finest market strain grown. A trial order will convince you that these are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10.00 per 1000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

Pansies, fall transplanted, best mixed Giants, stocky plants, \$1.00 per 100; \$10.00 per 1000. Cash with order. Brown Bros., 904 S. Broad St., Carlisle, Ill.

Pansy plants, from fall sown seed, 50c 100 prepaid; \$3.00 1,000 by express. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.

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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

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PELARGONIUMS

200 Pelargoniums, 4 in., large plants, mostly budded, good variety, 10c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

PEONIES

The E. G. Hill Co., Richmond, Ind.

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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

Double Petunias.

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Ruffled giant petunias, transplanted, 75c. per 100. C. A. Perley, Winthrop, Maine.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.

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PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Kroeschell Bros. Co., 406 Erie St., Chicago.

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Buxton Doane Co., 13 Midway St., Boston.

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Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel.

PLANT TUBS

Henry A. Dreer, Philadelphia, Pa.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIVET

West Jersey Nursery Co., Bridgeton, N. J. California Privet.

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California Privet, 10 to 15 inches, branched, \$10.00 per 1000; larger sizes at low rates. E. Y. Teas, Centerville, Ind.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.

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RIBBONS AND CHIFFONS

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Own Root.

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W. & T. Smith Co., Geneva, N. Y.

American Grown Roses.

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R. & J. Farquhar & Co., Boston, Mass. Rose "Flower of Fairfield" Ever-Blooming

Crimson Rambler.

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Chas. H. Totty, Madison, N. J.

Grafted Roses.

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Eastern Nurseries, Jamaica Plain, Mass. New Dawson Rambler Roses.

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Arthur T. Boddington, New York, N. Y.

Decoration Day Roses.

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Rambler roses, 2-year, field stock, six kinds, 7c. Levant Cole, Battle Creek, Mich.

The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.

Cauliflower and Cabbage Seed.

Langangstraede 20, Copenhagen, Denmark.

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C. C. Morse & Co., San Francisco, Cal.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.

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Beans, Peas, Sweet Corn, Onion.

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True Irish Shamrock Seed.

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E. F. Winterson Co., Chicago.

For Plantsmen, Nurserymen, Seedsmen.

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Winter Flowering Sweet Peas.

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C. C. Morse & Co., San Francisco, Cal.

O. V. Zangen, Hoboken, N. J.

Reliable Seeds.

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H. E. Flisec Seed Co., Boston.

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Wm. Elliott & Sons, New York.

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Weeber & Don, New York, N. Y.

Flower and Vegetable Seeds.

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F. H. Ebeling, Syracuse, N. Y.

Seed Potatoes, Radish, Cabbage, Onion Etc.

James Vick's Sons, Rochester, N. Y.

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SILKALINE

John C. Meyer & Co., Boston, Mass.

SMILAX

Smilax, strong, 1-yr., with nice tubers, 50c. per 100; \$4.00 per 1000. F. A. Baller, Bloomington, Ill.

SMILAX STRING

John C. Meyer & Co., Lowell, Mass. Green Silkline.

SOUTHERN SMILAX

Louisville Floral Co., Louisville, Ala.

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SPHAGNUM MOSS

Sphagnum moss, best quality, 80c. per bale; 10 bales, \$7.00. Cash with order. Write for prices on larger quantities. L. Amundson & Son, City Point, Wis.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.

Deming Spray Pump.

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STEVIA

Stevia rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Slpl, Wis.

Strawberry Plants and Asparagus Roots. All the leading varieties, and at prices that are right. Catalog free. C. Peirce, Dighton, Mass.

In writing to Advertisers kindly mention Horticulture

STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.
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SULFOCID

B. G. Pratt Co., New York, N. Y.
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Benjamin Dorrance, Dorranceton, Pa.
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SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
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TRITOMAS

Tritoma Pfitzerli, red hot poker plant,
\$.60 per 100; \$.50 per 1000. Thomas J.
Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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CABBAGE—Jersey, Chas. Wakefield,
Early Spring and Succession, \$1.00 per
1000; \$.85 per 10,000. \$.50 transplanted.

TOMATOES—Comet, Livingston's Beauty
and Dwarf Champion (80c. per 100, trans-
planted), 2 in., \$.20. Fine stock.

LETTUCE—Big Boston, Boston Market
and Grand Rapids, \$1.00 per 1000; trans-
planted plants, \$.25.

PARSLEY—25c. per 100; \$1.25 per 1000.
ASPARAGUS roots, Conover's Colossal
and Palmetto, very fine, \$1.00 per 100;
\$.40 per 1000.

Cash with order. W. E. Trimble Green-
house Co., Princeton, Ill.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VERBENA

Lemon verbena rooted cuttings, 75c per
100 prepaid. Chas. Frost, Kenilworth, N. J.

VINCAS

Vinca variegata rooted cuttings, 75c per
100, prepaid. Cash. Chas. Frost, Kenil-
worth, N. J.

VIOLET THREAD

John C. Meyer & Co., Lowell, Mass.
Green Silkaline.

WATER HYACINTHS

Water Hyacinths, \$.20 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna,
La.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
For page see List of Advertisers.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.,
Boston.
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.
and 9 Chapman Pl., Boston.
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Welch Bros., 226 Devonshire St., Boston.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.,
Buffalo, N. Y.
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Chicago

Chas. W. McKellar, 51 Wabash Ave.,
Chicago.
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Peter Reinberg, 51 Wabash Ave., Chicago.
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E. F. Winterston Co., 45-49 Wabash Ave.,
Chicago.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., Cincin-
nati, Ohio.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway, Detroit, Mich.
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Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis,
Minn.
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New York

Ford Bros., 48 W. 28th St., New York.
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H. E. Froment, 57 W. 28th St., New York.
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Alex. J. Guttman, 34 W. 28th St., New
York.
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E. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 55 W. 28th St., New York.
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.
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John I. Raynor, 49 W. 28th St., New York.
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W. F. Sheridan, 39 W. 28th St., New York.
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Moore, Hentz & Nash, 55 and 57 W. 26th
St., New York.
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Wm. H. Kuebler, 28 Willoughby St.,
Brooklyn, N. Y.
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August Millang, 41 W. 28th St., New York.
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Greater New York Florists' Association,
162 Livingston St., Brooklyn, N. Y.
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Phillip F. Kessler, 55 & 57 W. 26th St.,
New York.
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A. L. Young & Co., 54 W. 28th St., N. Y.
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J. K. Allen, 106 W. 28th St., New York.
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Charles Millang, 55 and 57 West 26th St.,
New York.
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Philadelphia

W. E. McKissick & Bros., 1619-1621 Ran-
stead St., Philadelphia, Pa.
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Leo. Nlessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12
Ludlow St., Philadelphia, Pa.
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New Offers in This Issue.**BLUE ROSE.**

Ellwanger & Barry, Rochester, N. Y.
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CATALOGUE OFFER.

M. Rice & Co., Philadelphia, Pa.
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CHRYSANTHEMUMS.

I. M. Rayner, Greenport, N. Y.
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CHIFFON, GAUZE EDGE, ETC.

S. S. Pennock-Meehan, Philadelphia, Pa.
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**DECORATION DAY FLORISTS' SUP-
PLIES.**

H. Bayersdorfer & Co., Philadelphia, Pa.
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FLOWERS BY TELEGRAPH.

George A. Heintz, Toledo, Ohio.
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GERANIUMS.

John McKenzie, North Cambridge, Mass.
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GLADIOLI, CALADIUMS.

O. V. Zangen, Hoboken, N. J.
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HARDY VINES AND CLIMBERS.

Henry A. Dreer, Philadelphia, Pa.
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HOME GROWN PALMS.

Joseph Heacock Co., Wyncote, Pa.
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HARDY FIELDGROWN ROSES.

F. R. Pierson Co.,
Tarrytown-on-Hudson, N. Y.
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IMP SOAP SPRAY.

Eastern Chemical Co., Boston, Mass.
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NORWAY SPRUCE.

Maurice J. Brinton, Christiana, Pa.
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**PRINCESS OF WALES VIOLET CUT-
TINGS.**

Everett E. Cummings, Woburn, Mass.
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ROTHSCHILD VIOLETS.

Riverside Greenhouses, Auburndale, Mass.
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STROKUM TREE BINDING.

George Stratford Oakum Co.,
Jersey City, N. J.
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**THOMSON'S VINE AND PLANT
MANURE.**

Hosea Waterer, Philadelphia, Pa.
For page see List of Advertisers.

**AN "EXTRA HAZARDOUS OCCUPA-
TION."**

During the past nine years, no less
than twenty-seven thousand eight
hundred and thirty-one periodicals in
this country have suspended publica-
tion, and there are only about six
thousand left. Those who are of the
opinion that magazine publishers con-
stitute a majority of the millionaire
class may ponder these facts with
good results. If the life of the pub-
lisher was bound up in his magazine,
as his interests are, magazine pub-
lishing would be placed by life in-
surance companies among the extra
hazardous occupations along with
handling dynamite and flying air-
ships. Anybody who would like to try
publishing, however, will find that
there is nothing especially difficult
about it. A magazine is a good deal
like an air-ship. All you have to do
is to make it go and keep it up and
beware of too much wind.—*The Am-
erican Botanist.*

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

WANTED—Young man who thoroughly understands Orchids, and with experience with Sweet Peas, Carnations and Garden Stuff. Write giving full particulars as to experience to the Altimo Culture Co., Canfield, Ohio.

WANTED—Working foreman to take charge small commercial place, 12,000 ft. glass. Good grower, reliable, honest. Single violets our specialty. Carnations and no roses. Mrs. Haworth, Farmington, Conn.

WANTED A good, all-round greenhouse man, strictly sober and reliable; good designer, married man preferred; capable of taking charge of a small place. Apply to Wm. Doel, Pascoag, R. I.

WANTED--An all-round working foreman well up in growing Carnations, Chrysanthemums, etc. For further particulars address or call upon Thomas Pegler, Park St., Boston.

WANTED—Good salesman in wholesale cut flower establishment in eastern city. Address S. P., care HORTICULTURE, Boston.

WANTED—Experienced, well recommended clerk in prominent retail store, eastern city. Good wages. Address S. P., care HORTICULTURE, Boston.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

GARDENER—Landscape and floriculturist, has talent and fondness for his profession; competent to take charge of large estate; Swiss, 37 years of age; married; two children; wages \$70 and house. S. A. Leuba, 47 West 129th St., N. Y. City.

HEAD WORKING GARDENER, English, wants situation. Thoroughly experienced in all branches; would take a good single handed place. Married, age 35, no family. Apply, Benjamin Disley, 425 West 13th St., Oklahoma City.

FOR SALE—Greenhouse 150 x 30 ft., glass 16 x 2 "A" quality, 300 ft. 4 in. pipe, 2000 ft. 2 in pipe, 8 section Furman boiler, all in perfect condition, built less than two years. Will sell complete to be taken down for very low figure. Or will sell entire plant including $4\frac{1}{2}$ acres A-1 land, good barn, fine water supply, etc. Howard C. Burr. South Sudbury, Mass.

GREENHOUSE FOR SALE—Built for private estate. In excellent condition. Length 78 ft., width 36 ft., including forcing house in rear. Size of glass 16 x 24. Height front, 4 ft. 6 in.; centre, 9 ft. 6 in.; rear, 7 ft. 2 in. Allen Improved Steam Boiler. 2300 running ft. of piping. Price, etc., P. O. Box 81, Providence, R. I.

FOR SALE OR RENT—Twenty-six thousand square feet of glass and five acres of land. Will sell on easy terms or rent for term of years. Only eight miles from loop (center) of Chicago. Good condition. Write at once if interested. **AUGUST ERICKSON**, 3437 Foster Ave., Chicago, Ill.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PAISHELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

Cheap land for a bulb grower; some basket material; ideal place for man wishing to retire. A. G. Cobb, Anna Maria, Fla.

[illegible]

CHICAGO NOTES.

Plants.

The plant situation in Chicago is a little unusual in that there are practically no winter-blooming plants left for April. Stock was hurried on for the early Easter and azaleas, cyclamens, primulas and bulbous stock were all worked off at that time, and other blooming plants are not forward enough to take their place. About the only thing to be had are the marguerites and Baby Rambler roses. A few of the spring importation of rhododendrons are beginning to make their appearance. The fall importation of rhododendrons was very unsatisfactory; the plants seemed to be immature and arrived in poor condition, very few of them producing good flowers. Bedding plant stock is in favorable condition; the early Easter and the warm weather of the past month has enabled the growers to give the plants room and they have developed rapidly.

The Sweet Pea Crop.

The sweet pea growers are just finishing up their winter crops which the three days' damp weather brought to a sudden termination. The result was a quick raise in prices and short-stemmed stock that was unsalable at any price during the warm days now sell readily while long stemmed peas are decidedly hard to get. Norris F. Comley of Lexington, Mass., who was here last week and who is an extensive grower of sweet peas, said he was very much pleased with the quality of the peas he saw in the Chicago markets. The stems of some easily reach 12 inches and earlier in the season were 16 inches. Summer peas are just beginning to come in.

A New Business Venture.

O. Johnson has bought an interest in the Batavia Greenhouse Co., Batavia, Ill., and has taken a stand in the Flower Growers' Market. The present range of greenhouses is devoted principally to the growing of carnations and the firm will build at once a new range of 60,000 ft. which will be used for Beauties and tea roses. Mr. Johnson is well known to the trade and was for many years in business for himself. For the past three years he has been with the Chicago Rose Co.

Street "Florist" 85 Years Old.

One of the most interesting characters among the street venders of flowers is Mrs. Ellen Fitzgerald, 85 years old. Through all kinds of weather she faithfully attends to her business and goes home at night to her one room on the west side. She has a sunny disposition and seems to find real enjoyment in her work. Her basket is kept filled with flowers by one of the kind-hearted wholesalers.

Trade Jottings.

The A. L. Randall Co. is making improvements in their store, moving the wire department to the fourth floor.

Schiller The Florist has a specially pleasing window display in gold this week. A variety of gilt baskets, filled with daffodils, are suspended from the ceiling, and the effect is fine.

Chas. McKellar does not want to unduly influence anyone, but remarks the orange blossoms are coming in finely now and it only takes two dol-

LUXURIES FOR THE TRAMP.

A horticulturist of Berkeley has been experimenting with the rose for several months and by cross grafting succeeded in obtaining from it a delicious fruit with the flavor of the pineapple.—San Francisco Dailies.



"When we hold our next convention I am goin' to offer a vote of thanks to the feller what invented this floral eat."

lars worth to make a good showing at a wedding. This ought to be an inducement.

Personal.

W. E. Ward, of the office force of E. H. Hunt Co., has been ill for a week at his home in Park Ridge.

John Kruchten is back at his place in the wholesale market after a week's wrestling with tonsillitis. He bears evidence of his struggle.

Frank Ayers is serving on jury at the criminal court and says he is proud to state that he does not find any florists among the criminals.

G. T. Pieser, for many years at the head of Kennicott Bros., quietly slipped away from his friends and was married, March 26. The bride is Mrs. Cathleen Bronson Worley.

Harry Philpott, of Winnipeg, B. C., who was here to attend the meeting of the Florists' Club last Thursday, reports a very satisfactory Easter trade in his northern city. Most of the flowers came from Toronto, Chicago, and Minneapolis.

When we went to press last week the fate of our three florists politically inclined, was hanging in the balance. Peter Reinberg was the only one to win out, and he is again alderman of the 26th ward. Mr. Reinberg is spending a week at the Excelsior Springs, Mo.

Visitors:—Norris F. Comley, Lexington, Mass.; G. E. Serviss, Batavia, Ill.; J. W. Davis, Davenport, Ia.; H. Philpott, Winnipeg, B. C.

Roscoe, Ill.—The range of rose houses Arthur Briscoe is building will be devoted to carnations and greens for this season.

CLAY'S

For Fertilizing the Soil

56 lb. \$3.25

WM. ELLIOTT & SONS,
42 Vesey St., New York.

IMP SOAP SPRAY

FOURTH YEAR

Always the Same
Common Pests 1 to 40

\$1.50 per gallon

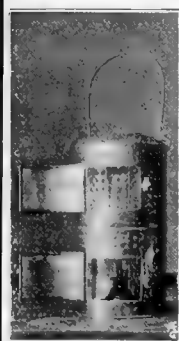
All Dealers

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

PRATT'S SCALECIDE

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.



THIS KILLS MILDEW EVERY TIME

FOR PARTICULARS WRITE

Benjamin Dorrance

ROSE GROWERS

Dorranceton, Penna.

Thomson's Vine and Plant MANURE

Imported from Clovenford, Scotland

Indispensable for the highest results
in Vine and Plant Culture

56 pound bag \$3.00

Two bags - 5.75

NOSEA WATERER, Seedsman,
107-109 So. 7th St. Philadelphia

KILMDEAD

The best of all
the tobacco
dusts for

**Dusting or
Fumigating**

25 lbs. \$1.00	100 lbs. \$ 8.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.00

Stump & Walter Co. 50 Barclay St., New York.



The Best Bug Killer and Bloom Saver

For PROOF
Write to

P.R. Palethorpe Co.
OWENSBORO, KY.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection, window and carriage cleaning; wherever you use it, the Deming "Pump" saves time and trouble and does better work.

Deming Spray Pumps
Hand and power, nearly two dozen kinds, designed and tested by practical growers, and tested by government and Experiment Station experts. Catalogue and spraying calendar free. We make Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

Bind Your Trees With Strokum

It stops caterpillars. Strokum is easy to apply, guaranteed not to injure trees; is not unsightly, lasts entire season.

\$3.00 buys a sample package of 15 pounds, enough to band 15 trees, 3 feet around. Express paid East of the Mississippi; West of the Mississippi, 50c. extra.

Order now, don't wait until the caterpillars have begun to crawl. Let us send you our illustrated booklet.



George Stratford Oakum Co.

164 Cornelson Avenue. JERSEY CITY, N. J.

Had you any trouble with the MARCH WIND coming through crack or crevice in the Greenhouse?

TWEMLOW'S

Old English



Glazing Putty

SEMI-LIQUID

and ELASTIC

Will stop the trouble. Put up in 16 pound cans; 50 and 80 pound buckets.

Hammond's Greenhouse White,

A SUPERB PAINT, with twenty years' record to back it up, for wear and tear and looks on either wood or iron Greenhouses. It stays where you put it.

In 5, 10, 15, 20, 25 or 30 Gallons.

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, New York

Immediately Available Plant Food EVERGREEN BRAND FLOWER FERTILIZER

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

D. D. Johnson, 64-66 Wabash Ave., Chicago.

Write for further information

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

452-460 No. Branch St.
CHICAGO, ILL.

NEWS NOTES.

Wellsboro, Pa.—It is stated that the Asaph State Nursery is to be increased to 20 acres.

Kincaid, Kans.—The Kincaid Nursery has been purchased by C. P. Thompkins of Kansas City.

Fremont, Nebr.—G. L. Welch & Co. have purchased 17 acres of land to add to their nursery. This property has a frontage a quarter of a mile long on the Union Pacific Railroad.

Belvidere, Ill.—B. Eldridge is now sole owner of the Belvidere Plant & Floral Co. in Fairview, having purchased the interests of W. H. Moore, J. W. Lyon and W. P. Williams.

Media, Pa.—The greenhouses of L. J. Perrey & Son have been purchased by Eugene Perrey who has moved them to Dorsey, Md., where he will continue the business of growing violets.

Huntsville, Ala.—The greenhouses and garden at the Abbington place have been leased by David Harris. He intends to grow bedding and vegetable plants and will do business under the name of Glenover Gardens.

Newport, R. I.—B. A. Bohuslar has leased three acres of land for the propagation of nursery stock. Special attention will be given to growing some things which have not heretofore been produced by home growers.

Chewelah, Wash.—Theo. Albert & Bro. have purchased 20 acres of the J. Story place and will put in a nursery and fruit orchard. Twelve thousand trees will be put in as soon as the conditions permit. They also have a nursery at Colville and one at Addy.

GREENHOUSES BUILDING OR CONTEMPLATED.

Lafayette, Ind.—H. Roth, addition.
Sabina, O.—J. S. Jones, one house.
Gladstone, Minn.—F. C. Schletty, addition.

Norwalk, Conn.—Robt. Stoeckel, one house.

Teaneck, N. J.—John D. Carroll, one house.

Darien, Conn.—Mrs. Crawford, one house.

Calverton, N. Y.—W. J. Benjamin, addition.

Denver, Colo.—C. W. Torbert, house to cost \$1,000.

Sharon Hill, Pa.—Robert Scott & Son, addition.

Providence, R. I.—William Hay, house 60 x 300 feet.

Shawnee, Okla.—Brenner Floral Co., house 42 x 145 feet.

Agawam, Mass.—E. N. Powers, River Road, one house.

Findlay, Ohio.—J. J. Waaland, one general purpose house.

Bloomington, Ill.—Miller Park, palm house and conservatory.

Walla Walla, Wash.—Huff & Young, addition, including office.

Davenport, Ia.—Henry Pauli, three houses 27 x 105 feet each.

Sedalia, Mo.—Archias Floral Co., West Second St., range of houses.

Lockport, N. Y.—Fred Lewis, addition.—White Bros., house, 40 x 175 ft.

Madison, Wis.—Experiment Station, one house, Foley Mfg. Co. construction.

Houston, Tex.—Robert C. Kerr Floral Co. anticipate doubling the capacity of their greenhouses.

Waco, Tex.—Wolfe, The Florist, intends building a range of houses, installing boilers and making other improvements, the aggregated cost to be nearly \$20,000.

FIRE RECORD.

Elgin, Ill.—George Souster's number 9 house, destroyed by fire April 2.

Trenton, N. J.—The Ribsam building in which were located the seed house and cut flower store of M. C. Ribsam was destroyed by fire March 30. The loss is estimated at \$50,000. Arrangements to rebuild have already been made.

PATENTS GRANTED.

953,876. Lawn Trimmer. Alonzo C. Warner, Stockton, Cal.
954,177. Pipe Coupling. James A. Fleming, Pittsburg, Pa.

Gradyville, Pa.—The houses which we reported in last issue that Howard Keller contemplated building may be deferred until next season.

IRON VASES



Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thousands in use.

Over 100 styles and sizes
\$3.00 to \$75.00 each

Write for price list to

WALBRIDGE & CO.
BUFFALO, N. Y.



DREER'S

Florist specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., 14 1/2 c.
2 Reels, 1000 ft., 14 c.
3/8-inch, 13 c.
Reels, 500 ft., 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/2 " " " 5.25	120 7 " " " 4.20
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	HAND MADE
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
450 4 1/2 " " " 5.24	24 11 " " " 3.60
320 5 " " " 4.51	24 12 " " " 4.80
210 5 1/2 " " " 3.78	12 14 " " " 4.80
	6 16 " " " 4.90

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

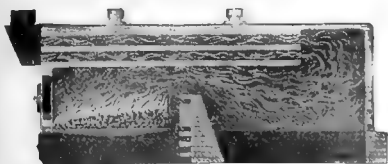
THE PETERS & REED POTTERY CO., Zanesville, Ohio.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Holds Glass Firmly
See the Point #1
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space In Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Write to us about your
Material and Plans
for any size and style of
GREENHOUSE

for new structure or repairs.

Hot Bed Sash

in stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.

CHICAGO, - - ILL.

The Advance Ventilating Machine

The order for ventilating apparatus of greenhouse fittings, which you were too busy to send to us before Easter, will be appreciated now. We assure you of our most careful and prompt attention to your order, also our lowest prices and best material. The Advance Machine is growing in popularity among the florists day by day. Perhaps you would like to receive our estimate and circulars before ordering. Write us and we will cheerfully send you the same.

The Advance Co.
RICHMOND, IND.

PATENTS

Trademarks and
Copyrights

Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Twenty-five years' active service.
SPECIALTY: "Working on the Failure
of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

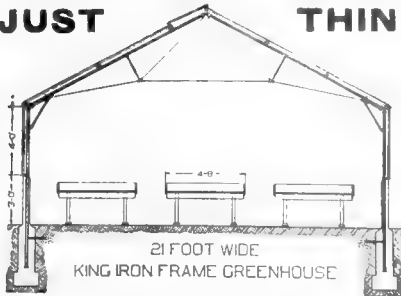
"ASK THE MAN WHO HAS ONE"

"THE KING IRON FRAME House has made good."

JUST

THINK WHAT IT MEANS

42' 0" HOUSE STANDS
"LIKE A STONE WALL"
IN 70 MILE GALE



Easiest to Erect

KING CONSTRUCTION CO.,

P. & W. O. JAHN,
House 42 x 130

E. Bridgewater,
Mass.

S. J. GODDARD,
House 35 x 134

S. Framingham,
Mass.

CARL JURGENS,
4 Houses 28 x 200

Newport,
R. I.

NORTH TONAWANDA, N. Y.

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

GLASS

IF IN NEED OF ANY

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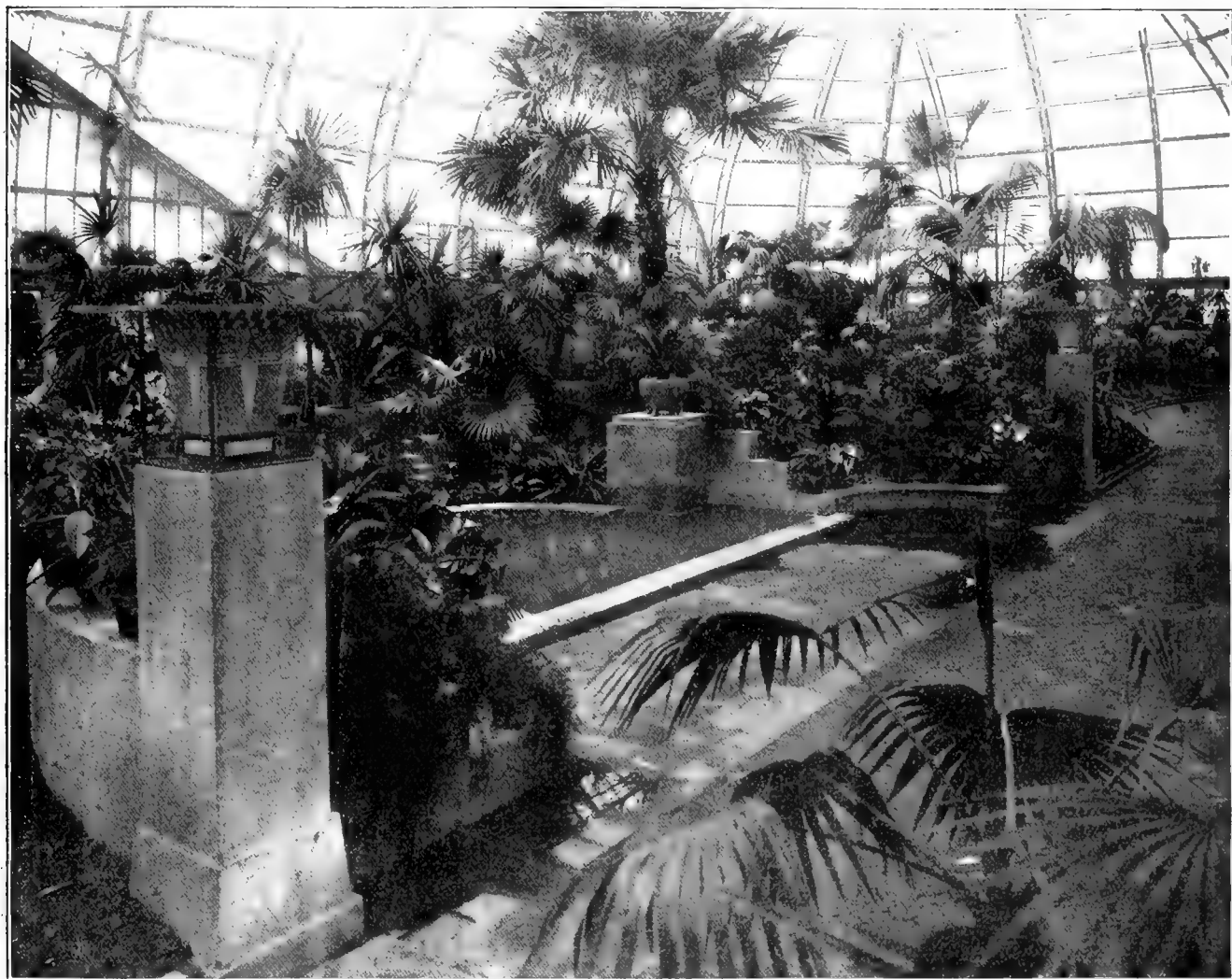
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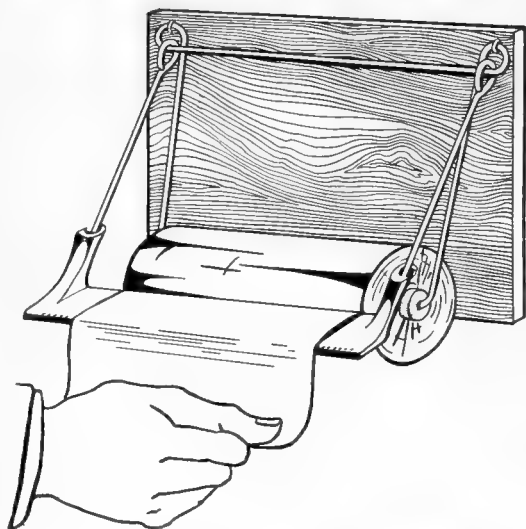


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The formal garden is incomplete without the edging plant. The attractive little evergreen *Buxus sempervirens suffruticosa* is perhaps used more plentiful than others for edging along walks as is exemplified in some of the old-fashioned formal gardens in Brookline and elsewhere. For flower beds there are multitudinous varieties to select from, but the blending and contrasting of colors requires great attention. Such foliage plants as coleus and *achyranthus* with their highly-colored leaves are good edgings for gay colored flower beds. *Opiopogon japonica variegatus* with its beautifully striped leaves and the Golden *Euonymus* are used extensively for edging the sub-tropical beds in the Boston Public Garden. The *Euonymus* cuttings are inserted in March.

Santolina chamaecyparissus incana, *Cineraria maritima* and *Centaurea gymnocarpa* associate themselves well with all strong colors producing striking contrasts. The two latter are easily raised from seed and the flower stems must be pinched out as they appear. *Geranium Mme. Salleri* and *Abutilon striatum variegatum* make very pretty edgings. Cuttings of these may be inserted in early spring. I must not forget our old friend *Pyrethrum Golden Feather*. In this also the flowers must be kept regularly pinched out. There are various others for foliage effect such as *althernantheras* in variety; *mesembryanthemums*, *sedums* and so on. In the flowering subjects we have many to select from, amongst them being *Begonia Vernon* with rich red flowers and *Begonia Erfordii* producing a wealth of rosy carmine bloom. These are also extensively used in edging sub-tropical beds in the Public Garden. Cuttings may be taken from old plants held over from last year, or seed may be sown during February or March. *Lobelia Crystal Palace compacta* is a charming little plant when in bloom, but the flowering period is rather short, and am inclined to favor the one from which most of the dwarf varieties have sprung—*Lobelia erinus*, as it produces flowers nearly the entire summer. The *ageratums*, white and blue, are excellent plants for edging, blossoming continuously through the summer. Among the cockscombs *Celosia cristata* attracts considerable attention and is very effective as an edging plant.

Richard J. Hayden

Trans-Atlantic Notes

ROYAL HORTICULTURAL SOCIETY

The meeting of this society on April 5 was a highly successful one, and the hall at Vincent Square was filled with growers of flowers and flowering plants. Very

prominent were cineraries, shown by Messrs Veitch & Sons, especially the varieties *Antique Rose* and *Matador*. The habit of these and others of the same strain is dwarf and compact. Carnations from Mr. H. Burnett made a fine display, among which *Pluto*, a clove variety, *Emperor*, a rose flake, and *Countess of March* were good novelties. Roses, and among them many *R. Wichura* varieties, were displayed by various exhibitors. Messrs. G. Mount & Sons, Canterbury, showed *Lady Hillingdon*, a flower of an apricot tint, and a new variety. Some beautiful auriculas came from Mr. J. Douglas, Great Bookham, and *Phyllis Douglas*, perhaps one of the finest Alpine varieties the exhibitor has raised, got an award of merit. Orchids were unusually abundant, and fine groups and rare plants were shown by Messrs. H. S. Goodson, G. L. Holford, Armstrong & Brown, Charlesworth & Co., Stuart Low & Co., E. V. Low, Sir Trevor Lawrence and Sir Jeremiah Colman.

First class certificates:—*Phalaenopsis casta superbissima*, shown by Sander & Sons, a splendid variety of this natural hybrid. The flowers almost circular, white with a pinkish tinge and spots at the base. *Odontoglossum ardentissima* "Norman Cookson," shown by Mrs. N. Cookson. This is a splendid variety that has improved since we last saw it. The segments are of equal breadth, claret colored, with white margins. *Lycaste Skinneri hellemensis*, an exhibit from Lieut. Col. G. L. Holford. One of the finest colored of the variety, rose pink with white tip spotted with purple.

Awards of merit:—These were granted to Mrs. H. S. Goodson for *Odontioda Goodsoniae*, flowers scarlet, with markings of white; *Odontoglossum Ceres*, Goodson's variety, the lip white and broad; the other parts like *O. Rossi*.

BUDDING ROSES BY FORKER'S METHOD

Ordinary budding in summer, with a growing bud, is sometimes a failure in great part, 40 to 50 per cent. being lost. This may arise from a variety of causes—such as a low temperature combined with a constant rainfall, or that the buds were not sufficiently matured. If the budding be carried out in September or October, according to Forker's method, that is, with dormant buds, there is success. These go through the winter with safety, as no growth is made by them, and the wildling stocks are likewise not sappy or growing, for they have lost most of their leaves. Whether a bud is furnished or not with wood behind the shield does not matter. To insert the bud a downward incision is made in the rind and wood, and about an inch is taken off the loose upper strip of rind, the bud attached to the stock, and smeared with grafting wax.

Fredrick Moore

HORTICULTURE

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about this
Representatives. It is encouraging to learn that the bill
creating the Southern Appalachian
and White Mountain forest reserve has
been favorably reported from the Com-
mittee on Agriculture to the House of
Representatives. The horticultural intelligence of the

country will be unanimously in sympathy with the report signed by the majority of the committee, declaring that there is no more important bill before Congress than this, which is an initial step in the great and beneficent movement for the conservation of our national resources. The objections as presented by the minority, consisting of Chairman Scott and six other members, are mainly based upon the expenditure involved. We think it would not be a difficult task for the average patriotic and progressive citizen to pick out plenty of items in the appropriation bills which are less urgent and make far less for the country's welfare than the one we are considering. It was a great disappointment to the people of a large section of the country when this project was defeated before. We hope it will have a better fate this time. Just now the congressional ear is closer to the ground than it has been for a long time, for obvious reasons. Write to your representative and tell him you expect him to favor this movement.

We are pleased to note the outcome of
 The revised the protest by the nurserymen and the
 horticultural horticultural importers, in which HORTICULTURE
 inspection bill also joined, against the
 Simmons Bill 15656, providing for

Federal inspection of imported nursery stock under conditions not only ruinous to the importing industry but impossible of enforcement. Now in its stead we have H. R. 23252 which was introduced, also by Mr. Simmons, in the House of Representatives on March 21 and was referred to the Committee on Agriculture in whose charge it now is. The new bill appears to be practically on lines endorsed by the Nurserymen's Association, its main difference from the former bill being the provision for examination by official experts at place of destination instead of at dock. It provides also that no nursery stock shall be imported into the United States except under a special permit from the U. S. Department of Agriculture. The nursery and florist interests are in full accord with the Federal authorities in their efforts to guard against the introduction of injurious insects or plant diseases and we think the new bill will generally meet their approval, while at the same time it fully carries out the original intent of the Department of Agriculture in a feasible manner.

As we observed two weeks ago,
 An annually many garden favorites in flowering
 recurring hazard trees and shrubs seem to have passed
 through the winter of 1909-10 in
 excellent condition, better than on the average of recent
 years in the neighborhood of Boston. Our apprehension, then expressed, of danger in this precocious spring to the early blooming material, from later freezes, seems to have been justified, according to the press reports from the interior. We, on the coast have fortunately escaped thus far much of the severity experienced by our friends in the West but we got just enough of the frigidity to spoil the magnolias which were in the full height of their beauty. Rarely, if ever, have these showy trees been so profusely flowered, a fact which makes the disappointment all the keener. *Cornus florida*, a native,

but, nevertheless, rather uncertain subject here, is in splendid form and will make an unusually fine show. Wistarias, on the contrary, are bare, the blossom buds having been killed at some time during the winter, apparently. Such experiences year after year with exotic garden shrubbery set one to thinking whether it is worth the trouble and frequent disappointments to nurture these uncertain things in our gardens, lovely as they are when they do pull through the winter and spring. Would it not be better, after all, instead of straining to see how far north we can drag a plant of doubtful hardiness, contending against uncontrollable forces and conditions, that we content ourselves with what nature has provided for the latitude and other climatic conditions under which we live. All new things have to be tried out, of course, before they can be pronounced worthy or unworthy in a given locality but the arboretums and nurseries will take care of that. The man with a garden never realizes the sterling qualities of the home things until he has a few experiences of the havoc that may come in a night to his exotic beauties and nothing can more effectually dampen his ardor for a shrub-adorned home than these frequent wrecks. The nurseryman, in advising the purchaser of ornamental shrubbery, will advance his own interests by remembering this. Many a once promising garden has been turned into monotonous lawn or given over to other purposes, much to the loss in business and prestige to the local nurseryman, because of the disheartening results from material unwisely selected.

British Horticulture

PREPARING FOR THE INTERNATIONAL SHOW

The arrangements are satisfactorily proceeding for holding an international flower show in London next year. At a meeting convened by the Royal Horticultural Society this week, the preliminary steps were taken for floating the project. Forty-four years have elapsed since an international assembly of horticulturists took place in London. In the meantime exhibitions have been held at Paris, Berlin, Brussels, Haarlem, Turin, and other continental centres. It is now thought that an opportunity should be afforded Britain for returning the hospitality received at the other great international shows. The Royal Horticultural Society will do its utmost to make the affair a success, whilst many of the leading horticulturists will act on the representative committee now being formed. The difficulty of finding a site sufficiently spacious and at the same time readily accessible has been surmounted. The committee have been offered some private gardens in the Metropolis which will be in every way suitable for a gigantic show. It is estimated that a guarantee fund of about £5,000 will be required, but there is not the least doubt that this sum will be obtained. Most of the leading continental firms, particularly those of Belgium, will be amongst the exhibitors. The time suggested is about the end of May or beginning of June, when a wealth of floral bloom will be available.

A SEEDSMAN'S FAREWELL

James W. Laird, of the firm of Messrs. Laird & Sinclair, seedsmen, of Dundee, is about to leave Scotland for sojourn in Virginia, to the great regret of a large circle of friends north of the Tweed. Mr. Laird is the second son of Mr. R. B. Laird, of the firm of Messrs. Downie & Laird, Edinburgh. Having served his ap-

prenticeship in this firm's nurseries, Mr. Laird subsequently migrated south to the nurseries of Messrs. Fisher, Son & Sibray, Sheffield, where he remained two years. After a stay in Dundee, a short period was spent in Australia, prior to his return to Scotland to take over the management of the Fountainbrae Nurseries. Mr. Laird has distinguished himself by his wide knowledge of forest trees and hardy ornamental trees and shrubs, whilst his genial qualities have gained for him countless friends. This was evidenced at a farewell gathering recently held. Mr. and Mrs. Laird were presented with a gold watch, suitably inscribed, and Mr. Laird also received a bag of sovereigns. Mr. W. S. Melville, the president of the Dundee Horticultural and Chrysanthemum Societies, who presided, said it was but a poor consolation to them to think that what was Britain's loss in Mr. Laird's departure would be America's gain. The subsequent speeches eulogized the splendid service which Mr. Laird has rendered to the horticultural interests in Scotland, and the heartiest good wishes were extended for a prosperous future in the new home.

INTERESTING ITEMS

Details have been published of the trials made with nitro-bacterine by the Royal Horticultural Society. During 1908 trials were made with peas, and last year French beans were experimented with. The results proved that no benefit was derived from inoculation with nitro-bacterine, the crops from inoculated plants being practically the same as those from the plants which had not been so treated.—Mr. E. J. Allard, of the Botanic Garden, Cambridge, has been appointed garden superintendent of the Innes Horticultural Institution.

W. J. H. Adsett.

Mutation vs. Reversion

The experiments of Prof. De Vries, and at the New York Botanical Garden, with the evening primrose *Oenothera Lamarckiana*, show (as claimed) a remarkable number of mutants, and especially the repetition of *O. oblonga*. In one culture De Vries found 175 oblonga mutants. When Don Pedro was Emperor of Brazil he visited this country and among the many things of interest shown him was a planing machine. When told that knives were making 2000 revolutions a minute Don Pedro exclaimed, "That beats the South American Republics." The above number of mutants from one culture reminds me of that remark. If dealing with the primrose is the only evidence that De Vries has of the birth of a new species I will feel as the sabbath school boy did when told the story of Jonah and the whale. He accepted it, but thought it rather fishy, but, when told of the wonderful growth of the gourd, he exclaimed, "I don't believe that, and now I don't believe the story of Jonah and the Whale either." Now it seems to me that *O. Lamarckiana* must be a hybrid and that the great number of supposed mutants are reversions, and not mutants at all—reversions to an ancient form.

R. B. White

NEWS OF THE CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next meeting of the club will be held at Horticultural Hall, Boston, on Tuesday, April 26, 1910, at 8 o'clock. The halls being rented on the date of the third Tuesday in the month, a postponement was necessary.

In lieu of the regular lecture several timely horticultural topics will be discussed, and a few minutes will be devoted to each of the following subjects, which members have been asked to say a few words on:

1. The best early flowering shrubs for Massachusetts.

2. Useful annuals for cut flowers under glass in winter.

3. What varieties of herbaceous perennials are better planted in the spring than in the fall in New England?

4. What are some of the more desirable early flowering herbaceous perennials, varieties which will bloom in April?

5. What is the best time to propagate Chrysanthemums to be grown as single stems for the Boston market? Do early, mid-season, or late varieties pay the best?

6. What is the best fertilizer for strawberries in the open garden, and when is it best applied?

Any other questions members may wish to have answered should be mailed to the Secretary, or deposited in the question-box on the evening of the meeting.

Resolutions on the death of our late lamented treasurer, Mr. Edward Hatch, will be presented by the committee appointed at the last meeting; a successor will also be elected.

W. N. CRAIG, Sec'y.

NASSAU COUNTY HORTICULTURAL SOCIETY.

A lively meeting was held on April 13. The winners in the monthly competition were G. Wilson for best cineraria and V. Cleres for best vase of antirrhinums. Cultural certificates were awarded to E. Fardel for vase of ranunculus, also for three fine plants of Boddington's Matchless Calceolaria hybrida, Paul Reul for geraniums, also seedling geraniums and climbing rose Hiawatha. Honorable mention to I. Barton for spinach, H. Gaut for petunias, stocks and peas, V. Cleres for carnations and F. Petroccia for mushrooms. I. F. Johnston read a most interesting essay on "Evergreens," and well deserved the thanks accorded by the Society.

A very interesting test of Aphine was made during the afternoon; green fly, black fly, white fly, mealy bug and scale all succumbed in short notice without any injury to the foliage or flower of the plant treated. A pelargonium bloom dipped into the undiluted solution was not injured in the least. It was a most successful test. Harry F. Matz of Glen Cove has secured the agency for this vicinity and will no doubt receive many orders.

OSCAR E. ADDOR.

MORRIS COUNTY (N. J.) GARDENERS' AND FLORISTS' SOCIETY.

April 13th was Rose Night. There were no new roses in sight. "Radiance" was expected but failed to arrive. Joseph F. Ruzicha brought from L. A. Noe's magnificent vases of American Beauty, Brides, Bridesmaids and Killarneys, for which he was awarded cultural certificates; and Wm. Muhl-michel, grower for Chas. A. Work, showed Richmond and My Maryland, being about as fine as they have ever shown here. H. B. Vyse brought single stem specimens of Hydrangea Hortense, the size, color and substances of the trusses being very fine.

The meeting of May 11th is to be given over to the rose men for the arrangement of their section of the final schedule of this year's flower show. All rose growers are invited and welcome to this meeting. We want the classes to be as far as possible, satisfactory all around, and if we get the rose-growers together we will have no trouble in that line. The committee on the fall flower show reports encouraging progress. Other societies and individual growers show an inclination to come in and make this show one of the best ever held in New Jersey. If the outlook continues as bright as it is, this show will be an inter-society show. A great many societies—we may say practically all of them—from Philadelphia to Boston, have promised to assist and the Morris County gardeners' and florists hope there will be no cold feet when the time comes.

E. R.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club held its regular monthly meeting on the afternoon of April 14th with a fairly good attendance, considering the busy season for the greenhouse men and how little time they have to attend a meeting in the afternoon. All important matters were laid over until the May 12th meeting. The trustees are expected to look up and arrange for the club's annual outing for the month of July.

There was a review of the Easter business in which all expressed themselves as having had a good trade this year.

The question box brought out a number of questions on which good discussion was made.

BUFFALO FLORISTS' CLUB.

A special meeting of this club was held at Kasting's Hall, April 12th, at which it was decided to hold a flower show in the fall. It is proposed to make this one of the greatest and most up-to-date shows Buffalo has ever had. A most able committee has been appointed to arrange all details, and a report is expected from them at the next regular meeting, May 3rd.

At that meeting Mr. Charles Guenther will read a paper on "Summer Roses," and it is expected that George McClure, Jr., will be prepared with criticisms on the paper recently read by R. A. Slattery on "Color Harmony."

WM. LEGG, Sec'y.

AMERICAN NURSERYMEN'S ASSOCIATION.

The chairman of the Program Committee of the American Association of Nurserymen, J. W. Hill, Des Moines, Iowa, announces the following preliminary arrangements for the program for the annual convention of the Association at Denver in June:

"Publicity campaigns on part of nurserymen," J. M. Irvine of St. Joseph, Mo.

"Varieties," E. S. Osborne, of Rochester, N. Y.

"Orchard pests still unknown to the Colorado fruit grower," Prof. G. P. Gillette of Ft. Collins, Colo.

"Co-operation between nurseryman and fruit grower," W. L. Howard, secretary Missouri State Board of Horticulture.

"Practical experiments with root gall on apple trees," Vice-President E. A. Smith, Lake City, Minn.

"Transplanted raspberries for the retail trade," W. N. Scarff, New Carlisle, Ohio.

"Should a young man choose the nursery business for a vocation?" A. Willis, Ottawa, Kans.

"Observations upon European nursery stock and their plant growing methods" (illustrated by lantern slides), Prof. Craig, Ithaca, N. Y.

"The part nurserymen have taken in the growth and development of the nation," J. B. Morey, Dansville, N. Y.

"Herbaceous plants," C. S. Harrison, York, Nebr.

"Magnifying our craft," E. W. Kirkpatrick, McKinney, Tex.

"A study of the nursery lands of the United States," W. H. Stark, Louisiana, Mo.

"The commercial side of the nursery business," H. W. Marshall, Arlington, Neb.

"Effects of tree planting in the Middle West," Geo. H. Whiting, Yankton, S. Dak.

"Resultant evils of replace policy," J. W. Mayhew, Waxahachie, Texas.

"Crown gall and its effects on orchard trees," Peter Youngers, Geneva, Neb.

"Is the organization known as the American Association of Nurserymen a benefit to the nursery business?" E. M. Sherman, Charles City, Ia.

Paper by E. P. Taylor, Missouri State Experimental Station, subject not yet reported.

YONKERS' HORTICULTURAL SOCIETY.

A very full and interesting meeting of this Society was held on April 15th. The executive committee reported that prizes had been donated for every class in the June show, also three specials. The schedule for the fall show was discussed and adopted, there being sixty-five classes in all.

The prizes offered by Vice-President Cochran and Louis Milliot were very keenly contested. H. Nichols won first with a vase of antirrhinum, the finest the writer ever saw. J. Goff was second with Pandanus Veitchii; H. Scott third, with a vase of Hydrangea Otaksa. Prizes for the next meeting were offered by Mr. J. Haughton and Mr. Knapper.

Mr. Nichols read a very interesting and instructive paper on the "Vegetable Garden," and a discussion followed. Mr. Frankel, of the Standard Nitrogen Co., was present and spoke on the benefit to be derived from using concentrated nitrogen and inoculated humus. The next meeting will be held on Friday, May 6th.

LEE WHITMAN, Cor. Sec.

ST. LOUIS LADIES' HOME CIRCLE.

The Ladies' Florists' Home Circle of St. Louis met on Monday, April 11th, and Miss Birdie Meinhardt was the en-

tertainer for the afternoon. The attendance was not large. Miss Tillie Meinhardt, the secretary, was absent at Fort Wayne, Ind., attending the funeral of her friend, Mrs. W. J. Vesey. A letter of sympathy was sent by the circle to the family. The afternoon was spent with readings on flowers and a lunch after the meeting, Mrs. John Steidle, the president, presiding over the meeting.

Resolutions were passed as follows:

Whereas, The Supreme Ruler of the universe has called from labor to rest Mrs. Maggie S. Vesey, and thereby caused a cloud of gloom to hover over the immediate family and relatives, as well as the large circle of friends in her beloved profession,

Therefore, be it resolved, That the St. Louis Ladies' Home Circle in regular meeting assembled extend to the bereaved family in this, their sad hour, the sympathetic hand of consolation and affection with the profound hope that the confidence of our loss being her eternal gain shall widen the silver lining around the cloud of sorrow.

Be it further resolved, That a copy of these resolutions be presented to the family and to the trade press, and also become a part of the records of this meeting.

MRS. OTTO G. KOENIG,

MRS. C. A. KUEHN,

MRS. THEO. MILLER,

Committee.

St. Louis, Mo., April 11th, 1910.

LADIES' SOCIETY OF AMERICAN FLORISTS.

In Memoriam.

Whereas, The Ladies' Society of American Florists has been called upon to mourn the loss of our first president, Mrs. William J. Vesey, of Fort Wayne, Ind., and we are desirous of expressing our sympathy. Therefore, be it

Resolved, That in the death of Mrs. Vesey our Society has lost a member whom we have prized for her wisdom and advice. The Board of Directors will miss her executive ability at their session this coming summer. To know her was to love her instantly. She has gone in the prime of life, and our hearts go out in sympathy to the husband and children; we grieve with them. And be it further

Resolved, That a copy of these resolutions be sent to the family and also be spread upon the minutes of this Society, and published in the trades papers. (Signed)

MRS. PETER FISHER,

MRS. J. F. SIBSON,

MRS. J. C. VAUGHAN.

A Wild Flower Show will be held May 24-25 at Arcadia, Mo., by the Second Congress, assisted by the Woman's Missouri Development Association. They say that every wild flower that is indigenous to Southeast Missouri will be shown and prizes will be offered for all collections. The ladies have prevailed upon Mrs. Herbert S. Hadley, wife of Governor Hadley of Missouri, to head the committee on awards, and she has accepted.

Middletown, Conn.—Chas. Keft has purchased the old Morgan greenhouse plant.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Aerides.

These beautiful orchids require considerable care to maintain them in good condition. From now until the fall they should be treated liberally with water. Apply sparingly at first, and when the plants increase into growth, gradually give them a generous supply as may be required. Frequent spraying or syringing is highly beneficial with this genus. The fleshy roots which they throw out from their stems absorb a great quantity of moisture from the atmosphere, and in order to grow them successfully we must give them lots of artificial moisture. Those which have not yet received attention in the way of fresh material for their new roots should be looked after. Where the compost is still in good condition it is best not to disturb them too much and a top dressing of live sphagnum is all that will be required. Remove the old material to the depth of an inch or so and replace with fresh sphagnum. Where the compost has become decayed or sour, it must be shaken out entirely and the roots cleaned by gently spraying and repotted in baskets. They like from 65 to 70 degrees at night. These are good kinds to grow: *Aerides crispum*, *odoratum majus*, and *Fieldingii*.

Candytuft.

Candytuft is one of the most useful plants for the florist to grow. Plants that are in 2½-inch pots will be just right to plant out one foot apart on a bench where violets or other occupants have been thrown out. The seedlings that have been transplanted and are of suitable size can be used also, and with a little care as to shading and watering for a short time they will come out all right, but the pot plants are the best. They are always in demand for Memorial Day trade. They stand quite a warm temperature while making growth, but when coming into flower they like a cool, bracing air with plenty of moisture at the roots. Candytuft can be sown in the open ground any time now. It is better to sow several times for succession. Thin out the plants to four to six inches apart.

Campanulas.

The one largely forced by florists is the Canterbury Bell (*Calycanthema*), often called "cup and saucer." None of the other varieties respond to culture under glass as this one does. It may be had in bloom during the latter part of winter till the end of spring. It gives very satisfactory results during the spring months and can be had in perfection for Memorial Day. The spikes of delicately colored bells are eagerly bought and bring a good price. The crop will last for several weeks, giving a wonderful lot of cutting. They like a cool and airy house with lots of light. They don't like a warm, moist atmosphere. Seed should be sown now in order to obtain flowering plants for the middle or latter part of next winter. When they are about two inches in height they can be planted out in the field about 15 inches

apart in the rows. About October you will have large clumps that can be dug up and planted out the house for flowering.

Herbaceous Perennials.

Where it is desired to make or plant any new borders, this work can be done now. Pot-grown stock which is the most satisfactory, succeeds better than those that are lifted out of the open ground at this time of the year. If you have only field-grown stock it would be advisable to wait until the fall. Where you have established perennials they will all be benefited by some manure scattered between the rows and worked into the soil. The demand for hardy perennials has increased wonderfully in the last few years. Now is a good time to work up salable stock for next fall by taking cuttings before they make too much growth. With a hot bed with three or four inches of soil and about two inches of sand, and careful attention as to shading, watering and airing, you can root any amount of fine stock. Give plenty of air when rooted and pot as required during the summer and they will make fine plants in four or five inch pots. Keep seedlings moving by pricking out into frames where some hot manure has been put—say, about 6 inches—in order to push them along. When large enough they can be planted out in rows. These will make nice plants for next spring.

Hydrangeas.

These plants when well grown are among the most useful for Memorial Day trade. Those brought into heat by the first week in March will have good root action by this time. They will need a liberal supply of water, with liquid manure about once a week. Syringe every day until the flowers show color. See that they have full sun with free ventilation and fumigation with tobacco once a week. It is a good time now to take cuttings. Plants that don't throw much bloom will provide a good batch of cuttings. They can be placed in the propagating bench and kept fairly close and moist. When rooted pot off into 3-inch pots. When these are filled with roots, pot into 6 or 7-inch pots, using good loam, three parts, to one part of cow or sheep manure. These will make fine plants for another year.

The Care of Shrubs After Forcing.

The treatment of flowering shrubs after forcing will require some thought. They must be encouraged to make new growth; the more growth they make the better flowering bushes you will have for another year. After flowering they should be in some house where they can continue the growth they have started, until such time as they can be placed in the open with safety. The best plan is to let these rest by planting out and having another set of shrubs for the coming year. By this system you are always sure of having vigorous flowering plants. These notes refer to such shrubs as flowering almonds, lilacs, snowballs, spiraeas, deutzias and hardy hydrangeas.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on Autumn Farleyense, Aquatics, Greenhouse busta Bedding Stock, Dahlias and F. n. r. Verbenas

NEW AND DESIRABLE HERBACEOUS PLANTS.

Read before the Gardeners' and Florists' Club of Boston by Arthur E. Thatcher.

The subject which I have the privilege of speaking to you about this evening is one that for the last fifteen years I have been able to take a very active interest in. During that period many new species and varieties have been introduced, and it is no doubt a truism to say that we can dispense altogether with some of the older forms which were popular fifty years ago in favor of the much improved and beautiful new kinds. But it must not be supposed that all the old friends can be discarded. There are some which will undoubtedly continue to be grown so long as gardens exist, and this applies more to species than varieties, for it is among the latter that one looks for the majority of new plants. Although a large number of the newer introductions originated in American and European gardens, the most noteworthy are to be found among the new plants discovered by Mr. E. H. Wilson, and I need offer no apology to the Gardeners' and Florists' Club of Boston for mentioning this gentleman's name. The results obtained from his labors during the last eleven years are invaluable.

Horticulture is composed of many different branches, each having its own special claim upon the individual, and while all are of absorbing interest I do not think there is one that has greater claims upon us than the cultivation of herbaceous plants. In this country it is probable that they have not yet attained the same degree of popularity as in Europe, but with the ever-increasing love for outside gardening, which is so noticeable here, I feel sure that the day is not far distant when their merits will be fully appreciated. In no country in the world can they be grown more successfully, and one has only to notice the luxuriance of the native flora, such as solidagos, asters, cypripediums and lobelias to see this. I would like to say a word here about cultivation as one frequently meets people who are under the impression that herbaceous plants when once planted can be left to take care of themselves for an indefinite period, but this is quite erroneous; and though they may not be so exacting in their requirements as the denizens of glass houses, yet to maintain them in good health and produce the best results the necessary amount of attention must be given. In making a herbaceous border, which is to be permanent, it should first of all be seen that the drainage is good, as very few except semi-aquatics will succeed under water logged condition, and the border should be not less than six feet in width, but much finer effects can be produced if from eight to ten feet can be allowed. A good background is always desirable and two excellent subjects for the purpose are climbing roses or a row of sweet peas, but, of course, what to use must be decided by the situation of the border. Trench the soil in the fall to a depth of two and a half to three feet and incorporate plenty of decayed manure or other enriching material and leave the surface in a rough condition till spring so that the climatic effects may sweeten the soil and render it in good condition

for working. The latter part of March or the first two weeks in April is the best time to plant if the frost is out of the ground sufficiently, and it is advisable, if one is not well acquainted with the subjects, to make a plan of the border before hand, showing where each variety is to be planted. Harmony of color is of great importance and can only be obtained by making a plan or having a good knowledge of the plants, and of equal importance is the arrangement. Tall growing plants must, of course, find positions at the back of the border; but the mistake is not infrequently made of carefully graduating the heights so that the tallest are at the back and the lowest at the front, just as one would arrange geraniums on a greenhouse bench. In this way plants lose their individuality, for much of the charm of the border depends on seeing each separately. The most effective arrangement is obtained by planting some varieties in groups and others as single specimens, and by having plants of medium height near the front of the border much greater depth results and the general effect is altogether more pleasing.

Early flowering varieties should not be too near the edge of the border, unless they retain good foliage till the fall, and others which flower at a later season should be in front of them so that no bare places are apparent. By a judicious selection a succession of blossom may be had from spring till late in the fall, but to obtain such a desirable condition it is necessary to be conversant with the very large number at our disposal and then they can be ordered from the catalogues, but failing this I would suggest going to a good nursery where herbaceous plants are made a specialty of and picking out what appear to be the most suitable. It is well to remember that the best plants are always the cheapest in the end and that it pays to procure one's plants and advice from the most reliable and up-to-date nurseries.

In making this selection of new and desirable varieties I have endeavored to include those only which may be relied on to prove satisfactory, and except in one or two instances they are perfectly hardy. I have also separated them into two sections, the first being suitable for what one might call the herbaceous border proper and the other for waterside planting or where the soil is continually moist.

Blue flowered plants, apart from delphiniums, are not numerous, but two very beautiful additions have recently been made. Both are varieties of the old *Anchusa italica*, one being named *superba*, or *Dropmore* variety, with dark blue blossoms, and the other called *Opal*, has flowers sky blue in color. These are two remarkably fine plants, unsurpassed by anything with which I am acquainted. As they seldom seed and sometimes show a tendency to die in winter, it is advisable to propagate a few plants during the fall, so that one may be sure of retaining them. *Aconitums* are on a par with delphiniums for stateliness, and the best should always be included, as they continue to give a succession of bloom over a long period. The most effective is the new *A. Wilsonii*, which grows 6 feet high, with pale blue flowers. *Spark's* variety, dark blue, is also good, and *A. rostratum*,

which grows four feet tall, is a pleasing shade of pale blue, deeper on the hood. *A. hemsleyanum*, a new climbing variety, is also interesting and desirable. *Achillea cerisefolium*, *Cerise Queen* is the most recent and desirable addition to this family, and is devoid of the weediness which usually characterises these plants. The flowers, cerise pink in color, are produced abundantly all through the summer and fall.

It is much to be regretted that *Anemone Japonica* and its many excellent varieties are not sufficiently hardy to withstand the severity of our New England winters in all localities, but if favored positions are selected for them there is no reason why they should not succeed. Two or three years growth are necessary to get them well established, and as they make long roots which penetrate deeply, the soil should be well prepared, which enables them to obtain the maximum amount of moisture and food. Under such conditions the typical variety will grow six feet high, and if they are planted in groups, the luxuriant foliage and great quantities of flowers are unsurpassed in the autumn. There are now numerous varieties, all of much merit, but the old *Anemone Japonica* with its single pink flowers and the white form are very hard to beat, but one should also include *A. J. Autumn Queen*, which is dark rose in color and semi-double. *Mont Rose* is very double and pale pink; *Whirlwind* is a fine double white; *Prince Heinrich* double, dark red, and *Purpurine* is a very large flower, purplish-rose in color.

Among the many low growing plants suitable for clothing the edge of the border there is nothing of greater merit than the double form of *Arabis alpina*, which is a very old plant, but was lost for many years to cultivation. It grows and blooms very freely from spring until fall, and the pure white flowers are produced on spikes similar to a stock.

Bocconias or *Plume Poppies* make extremely effective masses of glaucous coloring in the garden if ample space can be afforded them, but unless this is possible I do not advise planting them where they are likely to interfere with their weaker neighbors. *B. microcarpa* will grow eight feet high and produce ample foliage, which is uninjured by strong sunlight.

We do not usually associate *calceolarias* with hardy plants, but the introduction of a new variety has enabled us to have at least one representative which will thrive in the open ground. This is a hybrid named *Golden Queen*, with large golden-yellow flowers, and is valuable, among other reasons, for its persistent flowering.

Everyone admires the campanulas, whether it be the miniature gems from the Alps, the beautiful harebell of Scotland or the giant pyramidalis, but I think the most desirable for the border are the *persicaefolia* section. These flower early in the summer, but if the stems are removed as soon as the blossoms have faded they continue to produce new growths for some time. *Moerheimi* and *Newry Giant* are two extremely fine double white varieties, and *marginata*, which has a band of pale blue on the edge

of the petals, is very attractive. Alba fl. pl. and grandiflora should also be included. Many new varieties of *Chrysanthemum maximum* have recently been produced, and though mere size is not always a desideratum I think in this case it has improved this useful plant. They are capable of making good masses of white and the long, stiff flower stems render them very serviceable for cut purposes. The Speaker and Mrs. Lothian Bell are the largest, and a variety named Robinsoni, with fimbriated forets, is one of the most pleasing.

For midsummer flowering, the herbaceous clematises are a useful and beautiful family worthy of inclusion in all gardens. *C. erecta* makes a fine bush, four feet high, covered with a multitude of white blossoms, but the variety *mandschurica*, which is larger in all its parts, is ever superior, and *erecta flore pleno*, with very double flowers, is of great merit. *C. integrifolia Durandi* has large blue flowers on robust stems, and *C. coccinea*, which is seen to the best advantage if grown on sticks in the same way as sweet peas, has scarlet and yellow flowers. Everyone is probably familiar with the American Snakeroot, *Cimicifuga racemosa*, and a beautiful plant it is, but those who need a more graceful species should plant *C. simplex*, which is, as yet, rare in gardens. It is smaller generally than its American congener, but the flowers are much whiter and the foliage more elegant. Delphiniums in their multitudinous variety do not need any recommendation from me to commend them to you, but there are some varieties which may not have come under your notice. *D. Belladonna* is one of the very few plants with sky blue flowers, and though it will not withstand a severe winter, it should always be grown, even if one has to pot it up. It has the desirable quality of sending up new flower stems for a long period, and the beautiful coloring is appreciated by all. Several varieties are now obtainable, the best of them being *Belladonna grandiflora*, which is larger generally than the type; *B. semi-plena*, sky-blue flushed lavender, and *Moerheimi*, a very excellent white form. For many years nurserymen have been endeavoring to evolve a pure white, tall-growing delphinium, and they have at last succeeded in producing a variety appropriately named *Nulli Secundus*, which is certainly second to none, being very robust and of the finest white.

Two excellent plants specially for dry positions are *Ephorbia polychroma* and *E. corollata*, the latter a North American species seldom seen in cultivation. *E. polychroma* forms a symmetrical bush, completely covered with conspicuous yellow bracts, and *E. corollata* bears white flowers in the greatest profusion. Few hardy plants are more popular than the charming *Gypsophila paniculata*, with its fleecy cloud of blossoms, but equally beautiful is the new double form, which is one instance where the doubling process has improved a plant's beauty.

Heucheras are among the most useful of small growing herbaceous plants, and many are familiar with the beautiful scarlet, *H. sanguinea*.

Quite a few good hybrids have been raised recently, the finest of which is undoubtedly *H. Shirley*, which grows three feet high and has very large scarlet flowers. Pageant is also fine, a strong grower, rich, bright crimson in color. *Rosamunde*, *Margaret*, *Firefly*, *Coralie*, *Flambeau* and *Lucifer* should all be included.

Heleniums are among the most useful of tall flowering plants too well known to need any reference, and I will only mention one, a new variety raised in this country. This is *Riverton Gem*, which has golden yellow flowers largely suffused with crimson.

Everyone is acquainted with the old Day Lily, *Hemerocallis fulva*, which is a decidedly ornamental plant for many positions, but for the select flower border the newer hybrids are superior. The most noteworthy of them are: *Dr. Regel*, with large flowers, rich orange in color; *Sir Michael*, a beautiful soft yellow; *Queen of May*, a wonderful plant, three and a half feet high, deep orange colored flowers, often carrying eighteen on a single stem, and *Baroni*, with sweetly scented orange-yellow flowers.

Incarvillea Delavayi and *grandiflora* are two remarkable new species from China, the former having deep rose flowers about the size of a gloxinia, and the latter is rich carmine in color with a yellow throat. These succeed best in a position shaded from the hottest sunlight. Two desirable new *Lupines* of the *polyphyllus* section, both with rose colored flowers, are *Lupinus polyphyllus roseus* and *L. Moerheimi*, and an excellent variety of the double *Lychnis chalcidonica* is *Cripps* var. which is not affected by the sun.

No plants, and certainly none of a bulbous character, have more devoted adherents than the Lilies, and though many new ones have been introduced during recent years, I do not suppose there are any so deserving of general cultivation as Mr. Wilson's Chinese introductions. As these have been fully described in the press, I need not deal at length with them, but they cannot be too strongly recommended to those who desire good, hardy, vigorous-growing varieties. *Henryi*, *leucanthemum*, *chloraster*, *Bakerianum* and *myriophyllum* are additions to any flower border and succeed best in a good loamy soil with ample drainage.

Another beautiful class of bulbs, second only to the Lilies in importance, are *Montbretias*, and these, by hybridizing, have been greatly improved of late. They will probably not prove so hardy in New England as the older varieties such as *crocsmiflora* and *Pottsi*, but it is a very simple matter to lift them and store in a cool cellar for the winter. Such varieties as *Hereward*, *Prometheus*, *King Edmund*, *Norvic*, *Westwick*, *Lady Hamilton*, *St. Botolph*, *George Davison* and *Lord Nelson* all have flat, open flowers, measuring from three to four inches in diameter and are produced very freely on strong branching stems. I do not know of any plants, unless it is the florists' pentstemons, which produce such a beautiful display through the summer and autumn months.

Monarda didyma is an old favorite in gardens, but it must give place now to a new variety with bright scarlet flowers named *Cambridge Scarlet*, which is dwarfier in habit but much more floriferous. Oriental Poppies are among the most gorgeous of May flowers, and who does not admire the gigantic blooms of *Papaver Parkmannii*? A host of new sorts are now offered to us embracing a wide range of color, but I think the most desirable are *Lady Roscoe*, *Marie Studholme*, *Mephistopheles*, *Mrs. Perry*, *Jennie Mawson* and *Margaret*. These should not be planted near the front of the border, as their flowers, though gorgeous, are rather fleeting.

A remarkable plant from Central Asia, very closely allied to the campanulas, which one seldom sees grown successfully, is *Cistowskya magnifica*, but it well repays any care bestowed upon it. This plant should be given a sheltered position under a warm wall in a well drained loamy soil, and on no account disturb the roots after it has once become established. The flowers are of great size and vary in color from blue to rose and pure white, and under favorable conditions the stems will grow six feet high.

Thalictrum dipterocarpum is the most desirable of the family and is one of Mr. Wilson's Chinese children. It has a profusion of rich rose flowers on slender stems five feet high and very elegant foliage.

Tritomas, or *Kniphofias*, are not hardy enough to withstand our New England winters unless amply protected, and I believe the best results are obtained by lifting and potting, unless one has a sheltered position in which to plant them. On the other side they are largely used and make most effective beds in well drained loam. They are so distinct and gorgeous in coloring that any extra trouble is well bestowed on them. A considerable variety of species and hybrids are now obtainable and I can strongly recommend *Nelsonii* and *Macowani*, two very dwarf free flowering plants. *Triumph*, the largest variety yet raised; *multiflora*, *Meteor*, *Chloris*, *Ideal* and *corallina*. The colors vary from the palest yellow to the richest scarlet and they present an imposing and beautiful appearance in the fall garden.

The most useful of all herbaceous plants for producing fine autumnal effects are undoubtedly *Asters* or *Michaelmas Daisies*, and to some who are acquainted with the many wild species which beautify our New England woodlands it may seem unnecessary to draw attention to them, but during the last ten years a great deal has been done by cross fertilization and selection to produce varieties better suited for garden cultivation. The species to which the most notable additions have been added are *Novi Belgi*, *Novae Angliae*, *Amellus*, *cordifolius* and *Vimineus*, but the best results have been obtained by crossing *Novi Belgi* and *Vimineus*. These produce small flowers in great abundance on long pendulous branches right from the ground and for border decoration or using in a cut state there is nothing to surpass. Nearly all the varieties to which I

shall refer have been imported into this country and may be seen growing by anyone interested. Their light and graceful habit makes them exclusively valuable as pot plants, and anyone who has a conservatory to embellish cannot do better than utilize the small flowered varieties for this purpose. The *Novi Belgii* varieties are now very numerous, but I shall only mention two which are in advance of all others, and these are *Climax* and *Duchess of Albany*. Both grow five feet high and the former has bright blue flowers with a conspicuous yellow center and the latter is pale mauve suffused lavender, and one great advantage is that they commence flowering from half way up the stem and not just at the end of the shoots, as is the case with many varieties. The best form of *Novae Angliae* is Mrs. J. F. Raynor, which is only four feet high and has bright reddish crimson flowers two inches across.

Aster Amellus is a species with large rich, blue flowers and grows about two feet high. It is very useful for many purposes, especially where masses of color are desired, and it is only within recent years that any new colors have been evolved. Pale lavender, deep rose and almost white forms will be found among such varieties as *Aldenharn*, *Herbert*, *J. Cutbush*, *Lilacea*, *Distinction* and *Reversia*. Too much cannot be said in favor of the beautiful varieties which have resulted from crossing *Vimineus* and *Novi Belgii*, the best of which are *Enchantress*, *Hon. Edith Gibbs*, *Golden Spray*, *Delight*, *Star Shower*, *Maidenhorn*, *King Edward VII*, *Chastity* and *Ringdove*. The habit of these is so beautiful that they are unsurpassed for growing on single stems and planting on the front of the border where they make perfect pyramids of bloom. Among the cordifolius group there are a number distinguished by their delightful habit and delicacy of coloring, and *Ideal* and *Edwin Beckett* are general favorites with all who have grown them.

A wonderful class of plants which should be represented in all gardens are the *Eremuri*, and if single specimens are planted at various intervals along the border where their stately spikes can rise above the dwarf subjects they present an imposing appearance unequalled by any spring flowering plants. Unlike the other plants I have mentioned, they should be planted early in the fall and the young growths will need slight protection from cold winds and frosts in early April. *E. Elwesianus*, which has pink flowers and its pure white variety *albus* will, when established, grow from eight to nine feet high with fully four feet of blossom. *E. robustus* is equally tall with rosy pink flowers, but *E. Bungei* does not exceed five feet and is very attractive, having golden yellow flowers.

Madison, Wis.—The greenhouse which is being built by the Foley Mfg. Co. at the Experiment Station, University of Wisconsin College of Agriculture, forms a part of the new \$60,000 horticultural building which is soon to be erected. It is said that this building will be one of the most modern and complete of any of the agricultural colleges.

R. VINCENT, JR.

To most of our readers the gentleman whose portrait appears herewith is already so well-known that the name seems almost superfluous. We have just received from the firm of which this gentleman is the head, their annual catalogue of *Geraniums* for 1910. It is a masterpiece in its line and should be in the possession of every geranium enthusiast. R. Vincent, Jr. & Sons have recognized no limit to effort and expenditure in bringing together the finest collection of geraniums in this country, adding every



R. VINCENT, JR.

promising new variety as soon as it is possible to obtain it, from any and all sources and whatever advancement the florists' stock of geraniums in America has made in recent years is due more to the persistence and enterprise of Messrs. Vincent than to any other influence. Mr. R. Vincent, Jr., is now abroad and no doubt the collections will be enriched on his return with the best new material that the European hybridizers have brought out, not only in pelargoniums but other useful florists' plants.

THE PEACE OF SPRING.

The quiet of the pasture lands!
There all the grass is green and sweet,
And, whisperless, it understands
The gentle pressure of our feet.
There dandelions thickly spread
In wondrous arabesques of gold
As though the stars from Overhead
Upon earth's bosom had been rolled.
The violets laugh at the sky
An echo of the dreaming blue,
The voiceless breezes wander by
To thread the blossoms' paths anew;
The early bees in search of sweets
Seem all a-tiptoe in the air,
Each wing is noiseless in its beats
As through the soundless day they fare.
The wild rose in its cloister nook
Is shielding yet its summer blush;
The trees beside the lazy brook
Sway softly in the morning's hush;
The scattered clouds of white go by
Like sun-kissed sails far out at sea
The argosies that journey high
To whatsoever their haven be.
The quiet of the pasture lands!
Where new-born flower, leaf and vine
Seem to be spring's cupbearing hands
Clustering us her amber wine;
Where filmy veils of mist uproll
On sights that halt and hold us long
There in a chord that thrills the soul,
The very silence sings a song!

Walter D. Nesbit, in Los Angeles Times

CHICAGO NOTES.

The Growers.

Decoration Day is now but six weeks ahead but to the grower in this unusual spring it seems rather far in the future. Many vines and plants are now ready to be put out of doors that usually are kept inside for another month at least. Plants and plans for this holiday are well under way, the former almost too much so for the grower with limited space. Geraniums are in their last shift, and are seen in 4 and 5-inch pots. The smaller geraniums in 2½ and 3-inch pots will make nice bedding stock. Other bedding stock is in equally advanced state.

Leesley Bros. finished their first planting of onions for sets last week. They are doubling their acreage devoted to this purpose this year and are getting the 200 acres, lately leased, into shape for planting. The land will be tile drained and a ditching machine is rapidly preparing the place for laying the tiles. The Leesley Bros. are a pair of enterprising young men. Their nurseries are on the north side of the city and are managed by the elder brother Clyde, while the younger brother, Robert, has the 400 acres on the west side under his care.

Nurserymen.

The local nurserymen are finding the season for selling altogether too short. There was no intermediate period, but winter gave way to summer and the stock was ready for planting at once. This shortening of the spring trade means loss of many sales and a great inconvenience in having to hurry through the work.

Seedsmen.

Judging from prices of held-over onion sets, growers realized more for their contract stock than on what they had to sell later.

The change back to winter gave the seedsmen a chance to breathe again, and the sight of snow Sunday was not at all unwelcome to them. The rush at the seed stores for the past two weeks was something to be regretted from both sides. For the customer it meant weary waiting and many mistakes, and to the sellers it meant work almost or quite to the limit.

General Business Notes.

Special programs among the clubs and schools and the planting of trees will take place as usual on Arbor Day, which is celebrated on the 23rd.

Now that the spring has fairly opened, the dealers report the sales of the Evergreen Fertilizers to be coming in rapidly. The vegetable growers are trying it extensively.

Arbor Day, April 22nd, will be celebrated by many of the clubs, schools, etc. City Forester Prost will, as usual, be much in demand, and has promised to speak at various places.

Wm. J. Smyth has had a very pretty display of iris in five colors in his window the past week. He handles quantities of this popular flower and says the demand for it is growing.

Very many growers have their young carnations in the field. Those who got their stock out some time ago have

For Decoration Day

We have this year the most complete, elegant and salable stock of florists' goods ever offered for the MEMORIAL DAY trade. Our line of PRESERVED FOLIAGE and other INDESTRUCTIBLE DECORATIVE MATERIAL cannot be excelled and the name of BAYERSDORFER & CO., on the package guarantees that goods and prices are

All Right

Don't wait until the last moment to make inquiry. SEND NOW for list of Standard and New Goods for this important occasion. All you have to do is to show the goods. THEY'LL SELL. Wreaths of Cycas, Magnolia, Fern and other foliage in Green, Autumn Tints and Moss effects are among the novelties.

METALLIC WREATHS are our specialty; we make them up with Roses, Pansies, Forget-me-nots or anything you please. STANDING ANCHORS, PILLOWS, WREATHS, ETC., all graceful and true to nature. Cape Flowers; Immortelles, all colors; Doves; Sheaves.

H. BAYERSDORFER & CO.

The Florists' Supply House of America

1129 Arch Street, Philadelphia, Pa.

no fears, while those who planted just before the frost are hoping for the best.

Shakespeare comes in for his share of flowers next Saturday when his statue will be draped with festoons of fresh blossoms and appropriate exercises mark the anniversary of his birth.

The crop of Spanish Iris is said to be a comparative failure, so many of the plants coming "blind." The growers attribute this to the bulbs having been grown too dry last summer.

John Algotz, manager of the many small parks about the city, has been appointed to superintend the city nurseries on the Gage farm. He will begin at once the erection of greenhouses and a dwelling house for himself. This work of the city in establishing this enterprise is something of an innovation and the outcome will be watched with interest.

The opening of the new Blackstone hotel Saturday came at a time when the supply of flowers was abundant, and Mangel, who had charge of the decorations, used them to good effect. One hundred large hydrangea plants were artistically grouped and together with daisies and large palms, the effect of the whole was beautiful. The table decorations at the several banquets were much admired. The palms came from Julius Roehrs Co., of Rutherford, N. J.

The Moninger Co. report business as very active this spring. The amount of greenhouse building calls for large quantities of lumber, pipes, etc., and as a result this company has purchased

property adjoining their plant which they will use for storage purposes.

The few stray peonies drifting into the market this week show that the season for this favorite is upon us. The variety generally known as Old Red has made its appearance long before its usual time. Mr. Peiser, of Kennicott's, says he has had thirty years' experience, and never knew peonies to be so early before. He considers it a bad sign for the peony market.

An occasional peony in a sheltered spot in the parks is making a record this week.

Personal.

Ben Zalinger, for five years with Sinner Bros., in the Market, is now working up a business for himself, soliciting orders for flowers from clubs, etc.

Virginia Poehlmann, little daughter of Mr. and Mrs. August, underwent an operation for tumor, at the Augustina hospital, on the 9th, and is recovering nicely. The tumor was caused by a fall.

Visitor: C. A. Brazee, Wilmington, Cal.

"SPLENDID RESULTS."

Editor HORTICULTURE:—

The season is now closed for the sale of our Mary Tolman carnation plants. In looking over results we find we have received splendid results from our advertisements in HORTICULTURE.

Yours truly,

A. E. HUNT & CO.,

April 18, 1910.

Evanston, Ill.

AT LAST WEEK'S TEST
BEFORE THE

Nassau County Horticultural
Society

APHINE

Was pronounced by many experts to be the most effective insecticide on the market today for general greenhouse and outdoor use.

The demonstration again proved conclusively that **Aphine** will do all that is claimed for it.

A trial will convince you.

Send for descriptive circular; also name of nearest selling agent

**Aphine Manufacturing
Company,**

Madison, N. J.

HARDY FIELDGROWN ROSES

We offer a fine stock of the following roses, viz.:—

HYBRID PERPETUALS:

Ulrich Brunner, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Baroness de Rothschild, and other assorted varieties in less quantities, like Mme. Gabrielle Luizet, Marshall P. Wilder, Anna de Diesbach, Baron de Bonstetten, Prince Camille de Rohan, Alfred Colomb, Gen. Washington, Princess Bearn, Rugosa Rubra, Rugosa Alba, Blanche Moreau (white moss), Chapeau de Napoleon (pink moss), Persian Yellow, etc.—\$2.00 per dozen, \$16.00 per 100

Fran Karl Druschki, Capt. Hayward, Hugh Dickson, and Mrs. R. G. Sharman Crawford—\$2.25 per dozen, \$16.00 per 100

HYBRID TEAS:

White Killarney—\$3.50 per dozen; \$25.00 per 100.

Killarney (pink), Gruss an Teplitz, La France, Maman Cochet, White Maman Cochet, Lady Mary Fitzwilliam, Hermosa, Etoile de France, Mme. Abel Chatenay, Mme. Jules Grolez, etc.—\$2.50 per dozen, \$18.00 per 100

CLIMBING:

Tausendschon and Lady Gay—\$3.00 per dozen; \$20.00 per 100.

Dorothy Perkins and Crimson Rambler—\$2.25 per dozen; \$15.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

PRIMULA OBCONICA CARRIED OVER.

P. Peterson of Chicago, whose portrait appears in the accompanying picture, makes a specialty of Primula obconica. The plant shown is one which has been carried over from the previous year, is in a 7-inch pot and bears 63 flower spikes in bloom, besides



many more in an undeveloped state. Growers who have not regarded this plant as a good subject for second-year flowering may be interested to know Mr. Peterson's method. The plants are placed in a solid bench during the summer and re-potted in October. They are kept quite dry during August and watered freely in September. Fine plants for Easter invariably result.

EARLY SPRING IN OHIO.

C. Betscher of Canal Dover, Ohio, writes that peonies and other items are so far advanced that they expect to cut their main crop before May 30th. Lilacs are showing color now and mock oranges are far enough advanced to bloom by May 1st. Plums were in bloom April 1st, apples 10th; last year they were just a month later. Peonies usually bloom about four weeks later than plums. Owing to the very favorable conditions gladioli were planted March 9th and many are now 6 inches high, and will likely be in bloom about June 15th.

Indications are for a phenomenal

Orchids Fresh Stock. Just Arrived.

Cattleya Trianae, per case, \$40.00. Labiata, per case, \$50.00.
In splendid season for strong growth and flowers the first season.

Successors to G. L. Freeman.

G. L. FREEMAN CO.
FALL RIVER, MASS.

WANTED

Bedding Stock

By the wagonload
of all kinds

Can use it all
Call at

LOESER'S
Brooklyn, N. Y.

C. C. TREPEL

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

crop of all things. Never did fruits show better display of bloom than this year. Conditions have been ideal; some frost now but apparently very little damage is done thus far.

CLUMPS OF CATTLEYA SCHROEDERAE \$1.50 each

THE GOOD EASTER CATTLEYA!
6 to 8 bulbs each clump.

ALSO
CATTLEYA TRIANA
IMPORTED STOCK.

\$45.00 per case (to arrive).

ALPHONSE PERICAT
Collingdale, Pa.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

IMPORTED ORCHIDS

Now Arriving

Julius Roehrs Co.

RUTHERFORD, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT N. J.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN,
Mamaroneck, New York.

In ordering goods please add "I saw
it in HORTICULTURE."

Dreer's Select Hardy Vines and Climbers

AKEBIA QUINATA.

We offer extra heavy pot-grown plants of this handsome climber.
Strong 4-inch pots, \$1.25 per doz.; \$8.00 per 100.
Heavy 6 " " 2.00 " 15.00 "

AMPELOPSIS VEITCHII.

Strong 2-year-old, \$1.50 per doz.; \$10.00 per 100.
Extra selected plants, \$2.00 per doz.; \$15.00 per 100.

AMPELOPSIS VIRGINICA. (Virginia Creeper.)

Strong 2-year-old plants, \$1.25 per dozen; \$8.00 per 100.

AMPELOPSIS TRICOLOR. (Vitis Heterophylla Variegata.)
Very strong, 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

AMPELOPSIS ENGELMANNI.

Extra strong, 2-year-old plants of this most useful variety.
\$1.75 per doz.; \$12.00 per 100.

AMPELOPSIS LOWII.

A new variety of the same general character as A. Veitchii and clinging to the smoothest surface without support, but with foliage much smaller and deeply cut, giving a light and airy appearance to the plant not possessed by the older sort. In spring and summer the leaves are of a bright apple-green color, changing to a brilliant crimson and scarlet in the autumn. 60 cents each; \$6.50 per doz.

APIOS TUBEROSA.

Strong tubers, \$2.00 per 100.

ARISTOLOCHIA SIPHO.

(Dutchman's Pipe Vine.)

Extra heavy, \$4.00 per doz.; \$30.00 per 100.

BIGNONIA. (Trumpet Creeper.)

Grandiflora. Strong plants, \$3.00 per doz.; \$20.00 per 100.

Radicans. Strong plants, \$1.50 per doz.; \$10.00 per 100.

CELASTRUS SCANDENS.

(Bitter Sweet, or Wax Work.)

Extra heavy plants, \$2.00 per doz.; \$15.00 per 100.

CINNAMON VINE.

Strong roots, 40 cents per doz.; \$3.00 per 100.

CLEMATIS PANICULATA.

(Japanese Virgin Bower.)

We have an immense stock of exceptionally fine plants of this most popular of all the Clematis, and offer

Strong 2-year-old plants, \$1.50 per doz.; \$10.00 per 100; \$90.00 per 1000.

CLEMATIS MONTANA GRANDIFLORA.

The plant is of stronger growth than any other Clematis, not subject to the attacks of insects, and succeeds under the most adverse conditions. It is perfectly hardy, having withstood without the least damage in a most unfavorable position in our trial grounds. Its flowers, which resemble the Anemone or Windflower, are snow white, 1½ to 2 inches in diameter, and frequently begin to expand as early as the last week in April, continuing well through May, and are produced in such masses as to completely hide the plant. Extra strong, 2-year-old plants, 35 cents each; \$3.50 per dozen.

CLEMATIS MONTANA RUBENS.

Identical in every way with the white flowered variety, excepting in color, which is of a most pleasing shade of soft rosy red.

We offer a limited stock of strong plants, 75 cents each; \$8.00 per dozen.

EUONYMUS RADICANS VARIEGATA.

A nice lot of 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

LARGE-FLOWERING HARDY CLEMATIS.

We have again this season a fine stock of good, strong plants, two years old, own roots.

Boskoop Seedling or Sieboldi. Extra large lavender.

Duchess of Edinburgh. Double pure white.

Henryi. Finest large single white.

Jackmani. The popular dark rich royal purple.

Madam Baron Veillard. Light rose, shaded lilac.

Ville de Lyon. Bright carmine red.

30 cts. each; \$3.00 per doz.; \$20.00 per 100.

VARIOUS CLEMATIS.

	Per doz.	Per 100
Coccinea. Two-year-old roots.....	\$1 00	\$7 00
Crispa. Two-year-old roots.....	1 00	7 00
Virginiana. Two-year-old roots.....	1 25	8 00
Integrifolia Durandi. Of semi-climbing habit, large indigo-blue flowers. 35 cts. each.		

HONEYSUCKLES.

	In. pots	Per doz.	Per 100
Variegated	2¼	\$ 60	\$4 00
"	4	1 00	8 00
"	6	1 75	12 00

IPOMOEA PANDURATA. (Hardy Moon Flower.)

Strong dormant roots, 50 cents per dozen; \$4.00 per 100.

HARDY JASMINE.

	Per doz.	Per 100
Nudiflorum. Yellow, 5-inch, pot-grown.....	\$1 50	\$10 00
Officinale. White, 5-inch, pot-grown.....	1 50	10 00
Primulinum. An introduction from China, its flowers fully double in size to J. 'nudiflorum'; these appear simultaneously with the leaves. Strong plants, 35 cents each; \$3.50 per doz.		

LATHYRUS LATIFOLIUS.

(Everlasting Pea.)

	Per doz.	Per 100
Albus. White.....	\$1 00	\$7 00
Splendens. Rose.....	1 00	7 00
"White Pearl." A magnificent, new, pure white variety, with individual flowers fully double the size of the ordinary Everlasting Pea. These are produced in really gigantic trusses. We offer very strong roots at 20 cents each; \$2.00 per dozen.		

POLYGONUM.

Baldschuanicum. This beautiful, hardy, woody, twining plant is one of the most interesting and showy flowering climbers. Its flowers are white, and are borne in great feathery sprays at the extremities of the branches. Strong plants, 35 cents each; \$3.50 per dozen.

Multiflorum. A very desirable climbing plant, which seems peculiarly adapted to our climatic conditions. It is of strong, rapid, but not coarse, growth, frequently attaining a height of 15 to 20 feet in one season. Its bright green, heart-shaped leaves are never bothered by insects, and during September and October it produces masses of foamy-white flowers in large trusses from the axil of each leaf. \$1.50 per dozen; \$10.00 per 100.

PUERARIA THUNBERGIANA.

(Kudzu Vine.)

We offer a large stock of strong, 1-year-old plants of this rapid growing climber. \$1.00 per doz.; \$7.00 per 100.

SCHIZOPHRAGMA HYDRANGEOIDES.

(Climbing Hydrangea.)

One of the most interesting of our hardy climbers. Its flowers, which are borne in large trusses, are similar to white Hydrangea, and when in flower during July and August, make a handsome display. A limited stock of strong plants, 75 cents each.

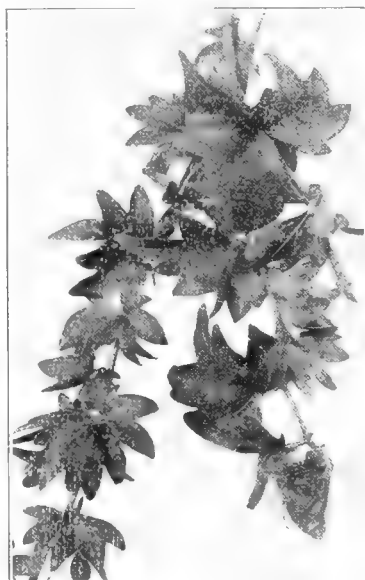
WISTARIA SINENSIS.

Extra heavy two-year-old plants, 5 to 6 feet long, well rooted.

	Per doz.	Per 100
Blue	\$3 50	\$25 00
White	4 00	30 00

VITIS HENRYANA.

A new climber from China, foliage similar in outline but not as large as the Virginia creeper, foliage of great substance and prettily variegated, the ground-color being deep velvety-green, while the midrib and veins are of a silvery white. 60 cts. each; \$6.00 per doz.



AMPELOPSIS LOWII.

Henry A. Dreer, 714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the Trade only.

Hardy Climbers, Etc.

AMPELOPSIS Strong Dutch-Grown

Ampelopsis Veitchii (Boston Ivy). Extra-strong imported vines, 3-year-old. \$1.25 for 10, \$12 per 100.

Ampelopsis Veitchii robusta. A very compact-growing variety of the well-known Boston Ivy, and very highly recommended to us; will undoubtedly take the place of the ordinary Veitchii in the near future. \$1.75 for 10, \$15 per 100.

Quinquifolia (American Ivy, or Virginia Creeper). Good for covering walls, verandas, or trunks of trees; affords shade quickly. 25 cents each, \$1.75 for 10, \$15 per 100.

CLEMATIS

Henryi. Pure white; extra large. *Jackmanni*. Purple. *Alba*. White. *Sieboldi*. Lavender. *Ville de Lyon*. Brilliant Carmine-red; as good as Mme. Edouard Andre, but contrary to this one, is very free-growing.

Extra-strong plants, 30 cts. each, \$2.75 for 10, \$25 per 100. *Clematis paniculata*. Strong, 2-year-old plants, \$2.00 per doz., \$15 per 100.

ACTINIDIA ARGUTA

A desirable Japanese climber of strong, vigorous growth, with dark green, shining foliage and white flowers with purple centers, which are followed by clusters of edible fruit. An excellent plant for covering arbors, trellises, etc., where a rapid and dense growth is desired. Strong plants, 25 cts. each, \$2.50 per doz.

BIGNONIA (Trumpet Vine)

Radicans. Dark red, orange throat; free-blooming and very hardy. 20 cts. each, \$2.00 per doz.

ARISTOLOCHIA SIPHO

Dutchman's Pipe. Strong, field-grown, 3 to 4 feet. 35 cts. each, \$3.25 for 10, \$30 per 100.

WISTARIA SINENSIS Extra Strong. Field Grown

Blue. 6 to 7 feet. 40 cts. each, \$3.75 for 10, \$35 per 100. White. 6 to 7 feet. 40 cts. each, \$3.75 for 10, \$35 per 100.

HONEYSUCKLE

Very extra-strong, Holland field-grown plants. 6 to 8 feet long, many branches. *Halliana*. Yellow. \$3.25 for 10, \$30 per 100.

HYDRANGEA PANICULATA GRANDIFLORA

Two-year-old, 3 to 4 branches. Bushy, \$1.50 per doz., \$10 per 100.

ARTHUR T. BODDINGTON

Seedsman

342 West 14th Street, NEW YORK CITY, N. Y.

GRAFTED ROSES.

Killarney, White Killarney, My Maryland, Bride, 'Maid, Richmond, Golden Gate, Mrs. Jardine and Chatenay, all \$15.00 per hundred.

**FIRST CLASS STOCK.
IMMEDIATE DELIVERY.**

Also a full line of OWN-ROOT STOCK, of all the Standard Varieties.

CHARLES H. TOTTY, MADISON, N. J.

ROSES

Our young bedding roses are in grand condition, of fine size and well grown.

Write for descriptive catalog and prices.

THE E. G. HILL CO.,
Richmond, Indiana.

DAHLIAS — GLADIOLUS

400 Varieties Dahlias. Selections from the best the Country affords. Gladiolus in mixture, in quantities from 1 doz. to 100,000. Order early for spring 1910.

Catalogue Free

J. L. MOORE, Northboro, Mass.

GRAFTED AND OWN-ROOT ROSES

WHITE KILLARNEY (Waban Strain). Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.50 per doz.; \$8.00 per 100; \$75.00 per 1000.

KILLARNEY. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

MY MARYLAND. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$6.00 per 100; \$50.00 per 1000.

RICHMOND, KAISERIN, BRIDES and 'MAIDS. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

A. N. Pierson, Inc., Cromwell, Conn.

Select Hardy Perennials

	3-in. pots. Doz.	
<i>Aconitum Wilsonii</i> , choice.....	\$1.50	
<i>Anemone Japonica</i> , Autumn Queen.....	.85	
<i>Anemone Whirlwind</i>.....	.85	
" <i>Rosa Superba</i>.....	.85	
" <i>Queen Charlotte</i>.....	.85	
" <i>Prince Henry</i>	1.25	
<i>Nierembergia Rivularis</i> , strong.....	1.00	
<i>Arabis Alpina compacta</i> , strong field grown.....	.85	
<i>Arabis Alpina superba grandiflora</i>.....	.85	
<i>Arabis Alpina flore plena</i>	1.00	
<i>Anchusa Dropmore</i> variety.....	1.50	
<i>Clematis Davidiana</i>	1.00	
" <i>paniculata</i> , strong 2 year plants.....	1.00	
<i>Digitalis gloxinoides</i> , mixed colors.....	.85	
<i>Gypsophila paniculata</i> fl. pl. extra.....	2.00	
<i>Hollyhocks</i> , double rose.....	1.50	
<i>Incarvillea grandiflora</i>	1.25	
" <i>Delavayi</i>	1.25	
<i>Phlox divaricata</i>	1.00	
" <i>Laplami Perry's var.</i>	1.50	
" <i>Miss Lingard</i> , strong.....	1.00	
" <i>discussata</i> , splendid mixed.....	.75	
<i>Pyrethrum roseum</i> , mixed colors.....	1.00	
<i>Rudbeckia Golden Glow</i>.....	.75	
<i>Hydrangea Otaksa</i>	\$5.00 and \$7.50	

WM. TRICKER, Arlington, N. J.

LORRAINE BEGONIAS

For Immediate Delivery

2½ in. pots, ... \$15.00 per 100. \$140.00 per 1000.

CYCLAMENS

Ready for 3 Inch Pots

Assorted Colors, \$50.00 per 1000

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JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

WHITMANII

2½-in., \$40.00 per 1000; 3½-in., from Bench, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.



Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,

Mount Hope Nurseries.

Rochester, N. Y.

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA

June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

CATALOGUES RECEIVED.

Ralph M. Ward & Co., 12 West Broadway, New York.—Descriptive Illustrated Catalogue of "Horseshoe Brand" Products. Here is a "de luxe" publication, surely. Pages 12x18, on heavy coated paper, illustrated with sixty-eight splendid half-tones showing the characteristics of the various brands of Easter lilies, culture in the field, interesting photographs of other Japan horticultural products, also showing the French, Holland and Bermuda bulb industry, and, also, an interesting map of Japan and adjacent islands, showing the approximate location of various bulb fields, with a complete key. The great and ever growing horticultural importing industry acquires new prestige from the issuance of so elegant and conclusive an evidence of business enterprise and stability. The call for copies is certain to be very extensive. Accompanying the album is a wall sheet, 22x28, illustrated with many interesting views and giving the dates on which Easter Sunday will occur for the next thirty years. Every florist should have one on his office wall.

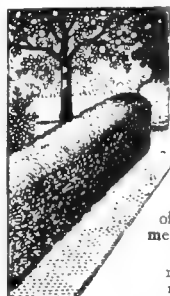
Yokohama Nursery Co., Ltd., 21-35 Nakamura, Yokohama, Japan.—Descriptive Catalogue of Bulbs, Plants, Seeds, for 1910-11. Here is another beauty among catalogues. The covers are richly adorned in Japanese art manner with peonies, lilies, irises and maples in natural colors. There are, besides,

several full page inserts in colors and the book, which comprises one hundred pages, is otherwise profusely illustrated. The lists of lilies, irises, etc., are quite full. Interesting information is given concerning freight rates, time for shipping various specialties, cable code, etc., all of which will be found very useful by the importing nurseryman or florist.

Charles Black, Hightstown, N. J.—Price List of Nursery Stock, Fruit and Ornamental.

FIRE RECORD.

Logansport, Ind.—A neglected bonfire destroyed the greenhouse of Sam Peterson on March 30.

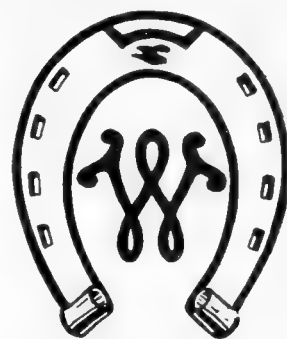


Privet GROWN for Hedges

Satisfactory hedges are only obtained by proper nursery treatment. Plants **not** properly treated in the nursery must be cut back close to the ground and practically started all over again. Our California privet is grown specially for hedges and makes a dense growth of dark green, very shiny, ornamental foliage.

	Price per 100	Per 1000
12 to 18 inches	\$2.50	\$20.00
18 to 24 "	3.00	25.00
24 to 30 "	3.50	30.00
30 to 36 "	5.00	45.00
Small plants by mail, postpaid	4.00	20.00

W. JERSEY NURSERY CO., - Bridgeton, N. J.
29 Magnolia Avenue.



**"NOT HOW CHEAP—
BUT HOW GOOD"**

Horseshoe Brand Products

It is not the man who does different things than others who earns recognition—it's the man who does the same thing better.

In order to do the same thing better in the lily growing business, you must first have a solid foundation—the best bulbs.

Horseshoe Brand lily bulbs are of superior quality and will average better than any other brand known.

Write for prices.

RALPH M. WARD & CO.

12 West Broadway, - - - New York

All varieties of Cold Storage Lily Bulbs on hand for sale.



Michell's Chinese Primrose

Now Is The Time To Order Michell's Giant Strain Chinese Primrose Seed

We have a very choice strain of Primula, which is grown for us by the leading Primula Specialists in England and Germany. Flowers of extra large size, and beautifully fringed.

	$\frac{1}{2}$ Trade Pkt.	Trade Pkt.
Alba Magnifica. White.....	\$0.60	\$1.00
Chiswick Red. Brilliant Red.....	.60	1.00
Holborn Blue.....	.60	1.00
Kermesina Splendens. Crimson.....	.60	1.00
Rosy Morn. Pink.....	.60	1.00
Michell's Prize Mixture.....	.60	1.00

Our Wholesale Catalogue free for the asking

Henry F. Michell Co.

518-1018 Market St.,

Philadelphia, Pa.

Seed Trade

The Outlook in California.

We have received from Charles P. Braslan the following interesting notes on the California outlook:

At this season of the year the various seed dealers throughout the United States and Canada are desirous of receiving information in regard to the various seed crops growing here in California.

The writer returned from his eastern trip about a month ago and has been busily engaged in going over our various ranches, which consist of over four thousand acres, and we are pleased to say to you that never in the seed growing experience have the crops been in such excellent condition. We have had something over $14\frac{1}{2}$ inches of rain this season, which is sufficient to make a crop. The rain has fallen gradually, so that the ground has absorbed all of the water, which has been a great benefit to all of the growing crops.

The hoeing of the crops will be completed on all the seed ranches—not only our own, but also on those of other growers in this section, within the next two weeks and if nothing unforeseen occurs, we will all harvest a good crop.

A field of lettuce of various varieties at Menlo Park, over $2\frac{1}{2}$ miles in length and from $\frac{1}{4}$ to $\frac{1}{2}$ mile wide, shows a magnificent stand. It certainly would be a great sight for any seed dealer to inspect this one field of lettuce. All varieties of onions are looking excellent. The critical time for this crop, however, being when the seed is in the dough, if we would have hot winds at such time, the yield might be injured to some extent; but from present prospects everything is in a most promising condition, the season having been ideal.

The radish crop is better than it has been for many years. Beet crops are looking excellent; also salsify, kale, mustard, celery, carrot and various other crops which are growing on an extensive scale.

We hope that many seedsmen can

arrange to pay us a visit this year and look over the crops, not only on our ranches, but those of other growers, as this is the season above all others for them to make such a trip to California.

A Suggestion Concerning the "Free Seed" Fund.

The Hon. F. D. Coburn, secretary of the Kansas department of agriculture, makes the following very valuable suggestion:

Great good could be accomplished with the money now spent for seeds if it were appropriated and pro-rated equitably between the various agricultural colleges and experiment stations, for experimental work in originating, developing and improving superior strains of wheat, corn, oats, cotton, and other crops especially adapted to or which give promise of worth to each particular state or territory.

In Kansas, the greatest wheat producer in the world, college-bred seed has resulted in increasing yields in some instances even so much as fifteen bushels per acre, and on a large number of trials the general average was five bushels increase per acre. The significance of this is made the more apparent when this increase per acre is applied to the 7,000,000 acres annually devoted to wheat in the Sunflower State.

Let's have our farmers planting pedigreed seeds as commonly as they are now rearing pedigreed live stock; improvement will be marked in the quality and yields from our crops as has been the case with our animals, and prosperity will be given much additional momentum. By diverting the appropriation as suggested impetus will be given a well-directed work already under way, and there will be none to mourn the passing of the day of "free" seeds.

Notes.

San Francisco, Cal.—The California Seed Co. has moved to 157 Market street.

San Francisco, Cal. Luther Burbank has opened a retail seed store in the Emporium.

Manitowoc, Wis.—The Manitowoc Seed Co. is said to be planning a large addition to its warehouse and plant.

Mr. S. Sibley, representative of the Leonard Seed Company, visited Boston and other New England points last week.

W. W. Harnden, seed dealer of Kansas City, Mo., has been appointed county judge by Governor H. S. Had-

ley in the place of the late George Holmes.

Detroit, Mich.—A banquet of the salesmen of the D. M. Ferry Seed Co. was held the evening of April 6 at the Hotel Cadillac. John N. Doyle was toastmaster, Wm. T. Radcliffe master of ceremonies. An address by Dr. John H. Boyd on "The Art of Persuasion" was the principal address.

Martial Bremond cables that French bulb prices have been set at the conference held on the 15th inst. by the growers in the south of France, and as the prices are 25 per cent advance in Roman hyacinths and 10 to 15 per cent in Paper White Narcissi, it looks as though they regarded the reduction in the United States tariff as being made for their benefit. Short crop is given as the cause of advance and advice predicts a still further advance later on.

Birmingham, Ala.—J. H. White has completed the negotiations by which he becomes the controlling stockholder of the Amzi Godden Seed Co., the largest wholesale seed company in Alabama. Mr. White purchased the stock formerly owned by Maj. Joseph Hardie, Dr. T. F. Cheek and others. At the next regular meeting of the stockholders Mr. White will be elected president of the company and will assume charge of the financial management of the concern. George B. McVay, who has been a leading figure in the management of the company for 20 years, will remain with the company as vice-president and general manager.

Much has been said and written about the low germination of both field and sweet corn in the various corn growing sections of the country, and the outlook for good seed stock for the coming season is not very good. Mr. Tom Fagan of The J. M. McCullough's Sons Co., says that the section in a radius of 80 miles of Cincinnati has plenty of good corn, the weather being ideal for the maturing of corn last fall. The offerings of green corn on the market was so heavy and the price so low that most of the truckers

allowed their crop of sweet corn to stand. Of course, it is not to be had in any great amounts from any one grower, but collectively there was a large amount of good Zig Zag and Stowell's Evergreen produced, and the germination is high. A. O.

Sheboygan, Wis.—The John H. Allen Seed Company are about to build a new warehouse of brick, on the mill construction plan, three stories above a high basement, 50 x 130 ft.; on same lot, another building 50 x 130 ft., one story with cement floor, for storage purposes only, all of which is made necessary by their rapidly increasing business. This company's business is altogether a contract dealing with jobbers and canners, and the demand from their regular trade far exceeds their ability to supply for several years past. While their headquarters at the present time for the transaction of a large part of their business is in Sheboygan, there is a branch at Sturgeon Bay, Wis., and growing stations are largely in Wisconsin and Michigan with occasional seasons in New York and Canada.

INCORPORATED.

Sumner, Wash.—Sumner Floral Co.; capital stock, \$8,000; incorporators, J. W. Thompson, Elizabeth Brentlinger and Andrew Hiker.

Atlanta, Ga.—Habersham Orchard and Improvement Co.; capital stock, \$60,000; incorporators, N. T. Poole, D'Anson Isely, F. A. Quillian and J. W. Pritchell of Nashville, Tenn.

Chicago, Ill.—A. Ostberg Seed Co., capital stock \$100,000. Seed, florist, farming and agricultural implement business. Incorporators, Andrew Ostberg, Chas. Swanson and E. F. Belle.

VEGETABLE PLANTS

	Per 100	Per 1000
BEET PLANTS	2 c.	\$1.25
EGG PLANTS	40c.	2.00
PEPPER PLANTS , Bull Nose, Sweet Mountain and Ruby King	40c.	2.00
TOMATOES , Small Plants, Earliana, Early Jewel, Dwarf Stone and Champion, Ponderosa and Matchless	30c.	2.00
TOMATOES , Small Plants, Stone, Paragon, Favorite and Success	20c.	1.00
CABBAGE , full list of leading varieties, 20c. per 100, \$1.00 per 1,000, and for 10,000 and over, 85c. per 1000.		
LETTUCE , Grand Rapids, Big Boston, Boston Market and Tennis Ball, 20c. per 100, \$1.00 per 1000, 10,000 and over at 85c. per 1000.		

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R. VINCENT, JR., & SONS CO.
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A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

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A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

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ONION SETS

FLOWER SEEDS Get Our Prices

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*Thorburn's
Seeds*

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NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

SEED for FLORISTS
TRUE IRISH SHAMROCK

25c Trade Pkt.; \$1.00 per oz.
Stocks, Candytuft, Salvias, etc., etc.
Trade list for Florists and Dealers only.

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26 & 27 So. Market St., BOSTON, MASS.

NEW CROP FLOWER AND VEGETABLE SEEDS
FOR FORCING

Asters, Salvias, Vincas, Verbenas, Stocks and Petunias, Tomato "The Don," Onion "Ailsa Craig," Mushroom Spawn—English and Pure Culture. Special prices and catalogue on application.

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PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

CHOICE SEEDS
FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.



SEASONABLE SEEDS
FOR THE
FLORIST

H. E. Fiske Seed Co.,
Boston, Mass.

RUSH ORDERS!

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

James Vick's Sons
ROCHESTER, - N. Y.

Mention this paper



A SUBSTITUTE
For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to-day for full information.

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RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE
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Price list free on request.

Joseph Breck & Sons Corp.
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CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

PLANT NOW

	1000	100
Gladiolus America	\$35.00	\$4.00
" Augusta	15.00	2.00
" May	18.00	2.00
Caladium Esculentum	7-9 35.00	4.00
	9-11 70.00	8.00

O. V. Zangen, Seedsman, Hoboken, N. Y.

CATALOGUE
Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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High Grade Cut Blooms**

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Both 'Phones 2670 Main.



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The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
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Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

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Brooklyn, N. Y.—John Mangam, 413
Gates avenue.

Fairmont, W. Va.—George Daffin,
Comerford Bldg.

New York, N. Y.—Hudson Florist,
546 Hudson street.

Pittsburg, Pa.—Davis & Britton,
Frankstown avenue.

Pittsburg, Pa.—Gross & Aldridge,
551 Lorimer avenue.

Long Branch, N. J.—W. W. Kenne-
dy & Son who conduct the Red Bank
Flower Store have leased the store of
Delina Britton, 232 Broadway.

Leavenworth, Kans.—Miss Kate
Dicks has purchased the Custom
Flower Store, 404 Shawnee street,
from J. E. Meinhart and has moved
to the new location.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow...Apr. 28

Atlantic Transport.

Minneapolis, N. Y.-London...Apr. 23

Minnetonka, N. Y.-London...Apr. 30

Cunard.

Campania, N. Y.-Liverpool...Apr. 27

French.

La Lorraine, N. Y.-Havre...Apr. 28

Hamburg-American.

Cincinnati, N. Y.-Hamburg...Apr. 28

America, N. Y.-Hamburg...Apr. 30

North German Lloyd.

K. Cecile, N. Y.-Bremen...Apr. 26

K. Wilhelm, N. Y.-Bremen...May 3

Berlin, N. Y.-Mediterranean...Apr. 23

F. Der Grosse, N. Y.-M'd't'n...Apr. 30

Red Star.

Lapland, N. Y.-Antwerp...Apr. 23

Kroonland, N. Y.-Antwerp...Apr. 30

White Star.

Celtic, N. Y.-Liverpool...Apr. 23

Cedric, N. Y.-Liverpool...Apr. 30

Majestic, N. Y.-S'hampton...Apr. 27

Megantic, Boston-Liverpool...Apr. 26

Zealand, Boston-Liverpool...May 3

NEWS NOTES.

Chicago, Ill.—W. W. Randall has
moved to 2638 Albany avenue.

Dayton, Wash.—F. M. Hoskins is
establishing a large nursery here.

Homestead, Pa.—Eighth avenue and
Amity street is the new location for
W. D. Faulk.

Woburn, Mass.—M. J. Aylward &
Son have purchased the florist busi-
ness of Stillman S. Hovey. They will
continue the business under the name
of Aylward, the Florist.

Berlin, Conn.—The business for-
merly conducted by Gwatkin & Can-
field now goes under the firm name
of L. W. Gwatkin, as Mr. Canfield
has withdrawn from the firm.

Sedalia, Mo.—On April 1st the
Archias Floral Co. purchased the
greenhouses, good-will and business
of Gelven & Son. Additional houses
may be erected next fall.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

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Telephone 1552-1553 Columbus

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In the Heart of New York City

1294 Broadway

Tel. 2770, 38th St. NEW YORK

Our Motto—The Golden Rule

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



LOUISVILLE, KY.

JACOB SCHULZ,
550 South Fourth Ave.

THE BEST LETTERS

FOR **R** THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.
66 PEARL ST., BOSTON
N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON
Inscriptions, Emblems, etc., Always in Stock

Established 1874.

DARDS
FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

NEW ENGLAND
FLOWER DELIVERIES
Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN
124 Tremont St., Boston

MATTHEWS The Florist
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day
For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES
GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGE
Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

PERSONAL.

W. J. Quinlan is now head gardener for Crouse Klock, Syracuse, N. Y.

E. Madson is now in the employ of C. Cramer, Salt Lake City, Utah, having closed his store.

Herman Dailey is now foreman of J. F. Sullivan's greenhouse, Detroit, Mich. He was formerly at Schroeter's.

Arthur Neyer of St. Louis has accepted a position in the cut flower department of the wholesale house of C. A. Kuehn.

Bert Nocals, formerly with Poehlmann Bros., Chicago, is now with the Pearce Hardware and Furniture Co., Lake Linden, Mich.

John Ahern has resigned his position with F. Lentland, Lockland, Ohio, and has taken a position with the Bloomhurst Floral Co.

Wm. Kiss, gardener for Mrs. W. Scott Fitz, Smith avenue, Manchester, Mass., for the last three years, retires from active duties this month and Joseph Rogers of Pittsfield succeeds him.

Visitor in Boston this week: Henry Eicke, representing O. V. Zangen, New York.

Visitors in Cincinnati: Ira Clark, Greensburg, Ind.; D. B. and O. S. Honaker, Lexington, Ky. All report business excellent.

Recent visitors in St. Louis were: J. J. Karins of Dreer's, Philadelphia, Julius Willhoff of Schloss Bros., N. Y., Charlie S. Ford of Hermann's, New York, and T. J. Farney of M. Rice & Co., Philadelphia.

"FLOWERS BY TELEGRAPH."
Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—Hauswirth, "The Florist," 232 Michigan Ave.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
Milwaukee, Wis.—C. C. Pollworth Co.
New York David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—M. A. Bowe, 1294 Broadway.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heidl.
Toronto, Can.—J. H. Dunlop, 96 Young St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

Obituary.

Henry G. McPike.

The death of Henry G. McPike, better known as the "Illinois Burbank," removes one of the oldest residents of Alton, Ill. Mr. McPike died on Monday morning, April 18th. He was well known among botanists and horticulturists throughout the country, being the originator of the now well-known "McPike Grape." Mr. McPike was born in 1825 at Lawrenceburg, Ind. The funeral took place Wednesday, April 20th, on the lawn of his home in a grove of fine forest trees which Mr. McPike had planted. This was his wish, so great was his love for his trees and flowers.

Susan Scott Lustgarten.

Miss Susan Scott Lustgarten, 19-year-old daughter and only child of Mr. and Mrs. Charles Lustgarten of Elmhurst, L. I., N. Y., lost her life in a terrible accident on the evening of April 8. With other girl students of Adelphi College, Miss Lustgarten was participating in an entertainment when her dress was set on fire by the blaze from a pan of alcohol which was being used in the scene and she died from her injuries at Brooklyn Hospital.

William Penn Watson.

William Penn Watson, "The Father of Dry Farming," and one of the foremost Pacific Coast horticulturists, died recently at his home, Long Beach, Calif. He is said to have been the first to introduce fruit growing in the Hood River Valley, Ore. He was born in Morgan County, Ill., in 1823.

NEWS NOTES.

Rochester, Minn.—The Rochester Cut Flower Store has purchased the business of R. Grounds.

New Orleans, La.—The greenhouse of F. B. Faessel is being torn down, as he is going out of the retail business. He intends to grow asparagus for the wholesale trade.

Alton, Ill.—Allen and Irvin Keiser have purchased the Weber place in Godfrey Township, a mile and a half beyond the city limits, and intend to operate under the name of the Alton Floral Co. Their three new houses will be equipped with the best of appliances and those interested are very optimistic as to the success of the venture.

Atlanta, Ga.—A. Borg and Ivar Erickson have purchased the Atlanta Floral Co. and will continue the business on a larger scale. A new department of landscape gardening will be added as Mr. Erickson is a professional landscape architect and gardener and will have charge of this department. Mr. Borg will have charge of the floral end of the business at the Peachtree street store.

GEO. A. HEINL, LEADING FLORIST, TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LILIES
\$12.00 per 100.
WHITE and YELLOW DAISIES
\$1.50 and \$2.00 per 100.

VALLEY
\$3.00 and \$4.00 per 100.

SWEET PEAS
75c. and \$1.00 per 100.

KILLARNEY
a large supply of extra good quality.

LEO NIESSEN CO.
WHOLESALE FLORISTS
1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

DAGGER FERNS
GALAX Bronze Green,
Highest Quality. Lowest Prices

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
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CHAS. W. McKELLAR
51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE
CUT FLOWERS
37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6504
WINTERSON'S SEED STORE
45-47-49 Wabash Ave., Chicago.
Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.
33-35-37 Randolph St., - CHICAGO

CUT FLOWERS
Greenhouses, - Morton Grove, Ill.

Rice Brothers
115 N. 6th Street, MINNEAPOLIS, MINN
WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO April 19	TWIN CITIES April 19	PHILA. April 19	BOSTON April 21
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 30.00	30.00 to 35.00	17.00 to 20.00	25.00 to 35.00
" Extra	15.00 to 20.00	20.00 to 30.00	15.00 to 18.00	15.00 to 20.00
" No. 1	10.00 to 15.00	12.00 to 20.00	10.00 to 12.00	10.00 to 15.00
" Lower grades	5.00 to 10.00	8.00 to 12.00	3.00 to 8.00	3.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.	5.00 to 8.00	5.00 to 7.00	8.00 to 10.00	5.00 to 8.00
" Lower grades	3.00 to 5.00	3.00 to 5.00	3.00 to 6.00	.50 to 2.00
Killarney, My Maryland, Fan, & Sp.	3.00 to 5.00	8.00 to 10.00	8.00 to 10.00	6.00 to 12.00
" Lower grades	3.00 to 5.00	5.00 to 8.00	3.00 to 6.00	.50 to 2.00
Richmond, Fancy & Special	5.00 to 8.00	8.00 to 10.00	10.00 to 15.00	6.00 to 12.00
" Lower grades	3.00 to 5.00	6.00 to 8.00	4.00 to 6.00	.50 to 2.00
CARNATIONS, Nov. and Fan.				
Ordinary	1.50 to 2.00	2.00 to 3.00	3.00 to 4.00	2.00 to 2.50
	1.00 to 1.50	1.50 to 2.00	2.00 to 2.00	1.00 to 1.25
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	40.00 to 50.00	50.00 to 60.00	40.00 to 60.00
Lilies	5.00 to 10.00	6.00 to 10.00	8.00 to 10.00	6.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Daffodils	1.00 to 2.00	2.00 to 3.00	1.00 to 2.00	1.00 to 1.50
Tulips	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50
Daisies	.50 to 1.00	.75 to 1.25	1.00 to 1.50	1.00 to 2.00
Snopdragon	3.00 to 5.00	6.00 to 8.00	6.00 to 15.00	2.00 to 3.00
Hyacinths	2.00 to 4.00	2.50 to 3.00	2.00 to 4.00	2.00 to 4.00
Violets	1.00 to 2.00	.50 to .75	1.00 to .75	.20 to .60
Mignonette	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Sweet Peas	.75 to 1.50	.75 to 1.00	.50 to 1.00	.25 to 1.00
Gardenias	20.00 to 25.00	25.00 to 35.00	8.00 to 25.00	8.00 to 12.00
Adiantum	1.00 to 1.00	.75 to 1.00	1.50 to 15.00	1.00 to 1.50
Smilax	10.00 to 12.00	12.00 to 14.00	25.00 to 30.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	45.00 to 60.00	50.00 to 60.00	50.00 to 60.00
" " & Spren. (100 bchs.)	20.00 to 30.00	24.00 to 35.00	50.00 to 60.00	50.00 to 60.00

The J. M. McCullough's Sons Co.
WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

0.0000...\$1.75; 50,000...\$7.50. Sample free.
For sale by dealers

FLOWERS AND GREENS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, *Nephrolepis magnifica*; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place, Boston, Mass.

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD. FRESH STOCK.

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers Roses and Carnations Our Specialty

Flower Market Reports.

We have nothing of importance to report as indicating any change from conditions as described last week. The cut flower market is not lively by any means, but there is a considerable amount of stock distributed every day and any industrious salesman can unload his stock at prices which will compare favorably with the figures realized at a corresponding date in any other market of any comparable extent. Among the specialties which are making a place for themselves in the general market at this season are the Spanish irises, which are bringing from two to four dollars a hundred readily. Yellow daisies are also holding a good outlet. Crops from cold rose houses are beginning to count in the situation. Solid and sleek as might be expected, the Beauties, Kaiserins, Richmonds and Carnots grown from plants that have been resting all winter, hold a place of their own which cannot be disputed. Carnot returns to its former triumphs and there is nothing in sight comparable to it for sleek and fetching qualities. Violets are finished, all except an aftermath of Campbells, which are accepted by the violet hunter as better than nothing, but hold no place of vantage in the general situation and when they are gone there will not be any great grieving.

The best that can be said
CHICAGO is that the market is no worse than last week.

The hot weather came to a sudden termination at the middle of the month and the thermometer fell to eight degrees below freezing point in some sections of the city. The effect on outdoor flowers was to cut off the supply for the time, but a wet snow came in time to save much stock, both of flowers and plants that must otherwise have been lost. The cold, cloudy weather has also reduced the supply of indoor flowers and wholesalers come nearer to selling out clean than they have in some time. This is not due to increased demand, but to less supply. The cooler days have made a marked difference in the quality of carnations and plenty of excellent stock is to be had. The demand for long-stemmed Beauties is a little on the increase. Sweet peas are decidedly scarce and are the one thing wanting in the market. Violets are now quite out of the question. Tulips, daffodils and other bulbous stock from the South are drawing to a close. Lilacs have not been very active and only since the cooler weather has the quality been at all good. Spanish iris is bringing five cents for yellow and brown and six for blue. Fleur de lis is coming in from southern Illinois. The first peonies from Sarcoxie, Mo., will be shipped here next week, so writes Mr. Gilbert from that place. Easter lilies are a back number; so much in demand less than a month ago they now sell very slowly while callas are unquotable. Ferns are still arriving in very poor condition from Massachusetts and dealers state that a large proportion are worthless. Shipping trade is holding up better than local. So many of the florists have been buying automo-

(Reports continued on page 637)



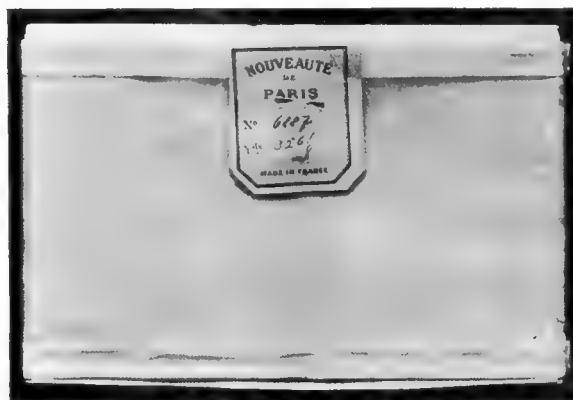
Exceptional Offer on Chiffon Pattern "6887"

This is the best quality of Chiffon on the market. We have just received a big shipment from abroad and offer for immediate orders at

5½c yard

6 inch width only. The heavy gauze edge on this pattern makes it particularly desirable.

Stock Colors:—
White, pink,
violet, purple.



Chiffon, Gauze Edge, Pattern "6887."

OTHER HIGH QUALITY CHIFFONS

Plain,	Pattern No.
"	5101, 4 inch, 2½c yard
"	5102, 6 inch, 3½c yard
"	5103, 10 inch, 7c yard
Fancy Dotted Lace Edge,	5102A, 6 inch, 7c yard
Valley,	5102A, 6 inch, 7c yard

All our chiffons average about 35 yards to the piece. No piece is charged for more yards than it contains. We do not bill out short pieces as equivalent to full measure.

CEDAR BARK.

Window Box time. Have you plenty of Cedar Bark? Bundles of about 25 square feet, \$1.00 each. Special price in quantity.

S. S. Pennock-Meehan Co.

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1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI April 19	DETROIT April 19	BUFFALO April 19	PITTSBURG April 19
ROSES				
Am. Beauty, Fan, and Sp.....	15.00 to 25.00	25.00 to 30.00	20.00 to 25.00	20.00 to 25.00
" Extra.....	10.00 to 15.00	20.00 to 25.00	15.00 to 20.00	15.00 to 18.00
" No. 1.....	8.00 to 10.00	10.00 to 25.00	8.00 to 10.00	8.00 to 12.00
" Lower grades.....	4.00 to 8.00	6.00 to 10.00	2.00 to 4.00	4.00 to 6.00
Bride, 'Mald, Chatenay, F. & S....	4.00 to 6.00	6.00 to 8.00	..... to 8.00	6.00 to 10.00
" Low. gr.....	2.00 to 4.00	3.00 to 6.00	..... to 6.00	..... to 4.00
Killarney, My Maryland, Fan. & Sp.	4.00 to 6.00	0.00 to 8.00	8.00 to 10.00	6.00 to 10.00
" Lower grades.....	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	..... to 4.00
Richmond, Fancy & Special.....	4.00 to 8.00	6.00 to 8.00	8.00 to 10.00	6.00 to 12.00
" Lower grades.....	2.00 to 4.00	4.00 to 6.00	3.00 to 5.00	..... to 4.00
CARNATIONS, Novelties and Fancy				
" Ordinary.....	2.00 to 3.00	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas.....	..... to 60.00	..... to .....	..... to .....	..... to 75.00
Lilies.....	8.00 to 10.00	12.50 to 15.00	6.00 to 10.00	8.00 to 10.00
Lily of the Valley.....	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	1.00 to 4.00
Daffodils.....	1.00 to 2.00	2.00 to 3.00	1.00 to 2.50	..... to 1.00
Tulips.....	1.00 to 2.00	3.00 to 4.00	1.00 to 2.50	..... to
Daisies.....	.25 to .35	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Snappedragons.....	3.00 to 4.00	4.00 to 6.00	3.00 to 5.00	..... to
Hyacinths.....	..... to	6.00 to 8.00	..... to .....	..... to
Violets.....	..... to .....	.50 to .75	.40 to .60	.25 to .50
Mignonette.....	..... to	4.00 to 6.00	2.00 to 3.00	1.00 to 4.00
Sweet Peas.....	.25 to .75	.50 to 1.00	.50 to 1.00	.35 to 1.00
Gardenias.....	..... to .....	..... to	20.00 to 25.00	..... to
Adiantum.....	1.00 to 2.00	.75 to 1.00	.75 to 1.00	..... to 1.25
Smilax.....	12.50 to 15.00	..... to 15.00	15.00 to 20.00	20.00 to 25.00
Asparagus Plumosus, strings (100)	25.00 to 50.00	..... to 25.00	50.00 to 60.00	30.00 to 50.00
" " & Spreng. (100 bchs.)	..... to 25.00	..... to 25.00	25.00 to 50.00	30.00 to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK
FINE ROSES, FANCY CARNATIONS
 A Full Line of All CUT FLOWERS
 Telephone, 3870 or 3871 Madison Square

H. E. FROMENT

Wholesale Commission Florist,
 Choice Cut Flowers,
 37 West 28th St. :: NEW YORK
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Alfred H. Langjahr

All choice cut-flowers in season. Send
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 shippers of first-class stock invited.
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 Telephones 4626-4627 Madison Square

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Wholesale Florist

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Now Open for Cut Flower Consignments
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'Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.

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We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Glassware Decorative Greens and Florists' Requisites

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Public Accountant and Auditor

Simple methods of correct accounting
 especially adapted for florists' use.

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JOHN I. RAYNOR**Wholesale Commission Florist** **SELLING AGENT FOR LARGEST GROWERS**

A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
 grown for New York market, at current prices

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Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

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 Telephone: 3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
 CARNEDIAS, DAISIES, ROSES AND CARNATIONS

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PHILIP F. KESSLER

55 & 57 W. 26th St., New York City

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	Last Half of Week ending Apr. 16 1910	First Half of Week beginning Apr. 18 1910
American Beauty, Fancy and Special.....	15.00 to 20.00	15.00 to 20.00
" " Extra.....	10.00 to 12.00	8.00 to 12.00
" " No. 1.....	6.00 to 8.00	5.00 to 8.00
" " Lower Grades.....	2.00 to 4.00	1.00 to 3.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	5.00 to 8.00	4.00 to 8.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 3.00
Killarney, Fancy and Special.....	3.00 to 8.00	4.00 to 8.00
" " Lower Grades.....	1.00 to 2.00	1.00 to 3.00
Richmond, Fancy and Special.....	8.00 to 10.00	8.00 to 12.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 4.00
My Maryland.....	2.00 to 8.00	2.00 to 8.00
Carnations, Fancy and Novelties.....	3.00 to 4.00	2.00 to 4.00
" " Ordinary.....	1.00 to 1.50	1.00 to 1.50

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK**

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NEW YORK

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A. L. YOUNG & CO.

RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.

CONSIGNMENTS SOLICITED.

Flower Market Reports

(Continued from page 635)

biles and so many are wishing they could, that the coming floral auto parade, May 7th, is of unusual interest. Possibly the elaborate decorations of 500 autos will call for such a quantity of flowers as to bring the realization of their hopes a little nearer.

Market conditions

CINCINNATI the greater part of the past week were

about the same as the week previous, the only difference being a slight decrease in the supply of carnations and roses. With the majority of the growers carnations are going off crop very rapidly. Outdoor tulips are in abundant supply and sales very slow. Sweet peas are still scarce with the demand very good. The supply of lilies and callas has diminished, with prices slightly better. Smilax remains scarce with Plumosus and Sprengeri in over-supply. On Friday and Saturday business assumed a different tone and prices were more firm than they have been for the past two weeks, this no doubt being due to the increased out-of-town demand. The demand for long-stemmed Beauties was good.

Spring comes on

NEW YORK apace and the usual conditions prevailing

in the cut flower market in early part of May are now in full sway here. The supply of everything in greenhouse product is still very plentiful, violets alone accepted, and the profusion is augmented by the influx of outdoor material, especially bulb flowers and lilacs. Violets are finished up and their departure was neither brilliant nor sensational. Should the season maintain its present precocity the Memorial Day question looms up as an occasion for some fine guessing.

Market last week

PHILADELPHIA was quite an improvement over

the previous—especially towards the latter part. Stock cleared up in good shape on Saturday. There was an appreciable falling off in the quantity of stock arriving, and the tone of the market was distinctly better. American Beauty roses continue in good crop, and have moved off in fair shape,

FLOWER CROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. WHOLESALE FLOWERS ONLY.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Apr. 16 1910		First Half of Week beginning Apr. 18 1910	
Cattleyas.....	35.00	to 60.00	35.00	to 60.00
Lilies.....	2.00	to 5.00	3.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Trumpet Narcis.....	1.50	to 2.00	1.50	to 2.00
Tulips.....	1.00	to 3.00	1.40	to 3.00
Violets.....	.15	to .20	.....	to
Alphonette.....	1.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bchs).....	4.00	to 6.00	4.00	to 6.00
Gardenias.....	4.00	to 12.00	4.00	to 12.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Spreng. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

although at low figures in most instances. The out-of-town demand was quite good, and helped the local situation very much. Richmonds are good quality, unusually fine for this season. Brides, Bridesmaids, the Killarneys and Maryland are also good, but the demand is sluggish on all grades. Carnations have eased up as to crop, and the market has toned up a little. The quality is very good—considering the long spell of warm weather. Lily of the valley is selling very well and at normal prices. There has been very little surplus. Orchids are plentiful—especially Cattleya Schroederiae and Mossiae. A few Lady Campbell violets are coming in of extra good quality for the season. Gardenias are plentiful, with demand rather sluggish. Sweet peas are cleaning up much better; the crop has eased up some and the demand has improved enough to absorb all. Lilies are still in evidence, and go slow at medium prices. Market for callas overstocked. Some very fine snapdragon coming in—all colors good—but particularly the white and yellow. Asparagus plumosus plentiful. Smilax still shy. Good ferns hard to get.

Naperville, Ill.—The N. Saylor greenhouses have been purchased by Chas. Bond of Philadelphia. He will engage in orchid growing for the Chicago market.

NEWS NOTES.

New York, N. Y.—W. A. Blaedel & Son is now the firm name of the concern doing business at 402 West 23rd street.

We learn that burglars have again entered the wholesale florist establishment of George Saltford on West 28th street, New York. All they managed to get after blowing the safes and tearing things up generally was a few pennies and a couple of boxes of cigars. Of the latter the New York Journal says, "They took the good ones." We presume these latter were intended for presentation to likely consignors. The burglars evidently have not had access to the trade papers of late, else a wholesale establishment in the cut flower line would be the last place they would expect to find money just now. But Saltford does have the pose and dignity of main characteristic of a gentleman of wealth and affluent leisure, and that must have impressed the cracksmen for the second time within eighteen months.

SOUTHERN WILD SMILAX
Fully Guaranteed.
LOUISVILLE FLORAL CO.
Louisville, Ala.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

Ampelopsis Veitchii, pot-grown, 2 to 4 ft., 6c. Levant Cole, Battle Creek, Mich.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

Elmer D. Smith, Adrian, Mich.
Asparagus Sprengerii.

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Asparagus plumosus nanus from 3 inch pots at \$5.00 per 100, \$45.00 per 1,000. Cash with orders. Floral Hill Gardens, G. F. Nelpp, prop., Chatham, N. J.

ASTER SEED

Jas. Vick's Sons, Rochester, N. Y.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

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BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
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BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Edward Wallis, Atco, N. J.
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BEGONIAS

Robert Craig Co., Philadelphia, Pa.
Lorraine, Young Stock.

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Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Begonia Lorraine and Agathe, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., Elizabeth, N. J.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

A. Leuthy & Co., Roslindale, Mass.
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New England Nurseries, Inc., Bedford, Mass.

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Robbink & Atkins, Rutherford, N. J.
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BOXWOOD TREES—Continued

4000 Dwarf Boxwood, 3 to 5 in., \$1.50 per 100, \$15.00 per 1000; 5 to 8 in., \$2.00 per 100, \$20.00 per 1000. Cash with order. John Kready, Mt. Joy, Pa.

Box Trees all sizes. Ask for special list. Julius Roehrs, Rutherford, N. J.

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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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J. M. Thorburn & Co., 33 Barclay St., New York.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
Spring Bulbs.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

French Bulbs, Horseshoe Brand.
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H. E. Fiske Seed Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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Yokohama Nursery Co., New York, N. Y.
Surplus Stock.

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CALADIUMS

O. V. Zangen, Hoboken, N. J.
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CANNAS

Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Sangamo and Conquest.
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Edward Wallis, Atco, N. J.
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Rooted Cuttings.

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J. D. Thompson Carnation Co., Joliet, Ill.
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I. M. Rayner, Greenport, L. I., N. Y.
Rooted Cuttings.

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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Wood Bros., Fishkill, N. Y.
Rooted Cuttings.

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Rooted cuttings of Frost, Golden Glow, Monrovia, Roslere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

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CHRYSANTHEMUM ROOTED CUTTINGS

WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonaffon, Y. Eaton, Cremona, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list. Wm. Swayne, Box 215, Kennet Sq., Pa.

Gloria, a large early Enchantress pink mum; Pres. Taft, a huge glittering white midseason; both have stems and foliage unsurpassed. Rooted cuttings now ready, \$1.00 per 25 prepaid; \$3.75 per 100. Gloria, 2¼-in., \$5.00 per 100. Chas. Frost, Kenilworth, N. J.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Nonin, Polly Rose, Ivory and Yellow Bonaffon, \$7.50 per 1,000. Yellow Jones, Amonta, White Jones, Minnie Bailey and Gen. Vivien \$10.00 per 1,000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CINERARIAS

300 Cinerarias, 3½ in., budded, nice plants, ready for 5 in.; nice mixture, 8c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

CLEMATIS

Clematis paniculata, in 1½ in. pots, strong, well rooted plants, fine for mailing or lining out. 2½c. each; \$20.00 per 1,000; \$18.00 per 1,000 in 5,000 lot. Cash. H. G. Norton, Perry, Lake Co., Ohio.

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

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OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen splendens giganteum hybrids. The strain which I offer is unsurpassable. August seedlings twice transplanted from flats, in five colors, including fringed varieties, \$3.00 per 100, \$25.00 per 1000; from 2½-in. pots, \$5.00 per 100, \$45.00 per 1000. Paul Mader, East Stroudsburg, Pa.

Cyclamens—finest stock—in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs, Rutherford, N. J.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Acto, N. J.
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J. L. Moore, Northboro, Mass.
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Dahlia Bulbs, all varieties listed below 5c. each, 50c. per doz., \$4 per 100.

Cactus Varieties: Bertha Mawley, Caneles Gem, Capstan, Charles Woodbridge, Dr. Jameson, Earle of Pembroke, Gabriel, General Buller, Galliard, Island Queen, J. F. Clark, John Roche, Kriemhilde, Lady Edd Talbot, Mary Service, Matchless, Mrs. Bennett, Mrs. Chas. Turner, Montefiore, Mr. Moore, Queen Wilhelmina, St. Catherine, Starry Crown, Uncle Tom, Volker, Wilhelm Miller.

Show Varieties: Arabella, A. D. Livoni, Amazon, American Flag, Bird of Passage, Dawn of Day, Dr. Kirkland, Golden Age, Hannah, Queen Victoria, Modesty, Mary Belle, Mrs. Cleveland, Orator, Penelope, Robert Bromfield, Startler.

Decorative Varieties: Atlanta, Beauty of Brentwood, Black Prince, Frank Bassett, Lucille, Maid of Kent, Mrs. Hawkings, Nymphæa, Progress, Sylvia, William Agnew.

Above stock is field-grown, sound and true to name. Catalog free to all. C. Peirce, Dighton, Mass.

Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manitou, Princess Yefive, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias. C. W. Bruton, good yellow, and Sylvia, long stemmed pink. Either field clumps or divided. Write for prices. E. E. Stewart, Rives Junction, Mich.

Dahlia bulbs, mixed varieties, while they last, \$1.00 per bushel. S. C. Smith, Floriculturist, Canton, Ohio.

Dahlias, 20 kinds, \$1. Grand Prize, St. Louis. Gold Medal, Buffalo. Catalogue. H. F. Burt, Taunton, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

400 Marguerite Daisies, large white, large branchy plants, from 3 in., ready for 5 in. or bench. Just right for Memorial Day; well budded, 5c. Cash. W. J. Schoonman, Danielson, Conn.

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John Scott, Brooklyn, N. Y.

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DRACENAS

Dracena indivisa, one year, bench grown, transplanted, well rooted stock, \$1.50 per 100; \$12.00 per 1000. Cash. E. Fryer, Johnstown, Pa.

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FERNS

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H. H. Barrows & Son, Whitman, Mass. Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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1000 Boston Ferns, 2 in. pots, 3c.; \$25.00 for the lot, or will exchange for Nutt geraniums, White Perfection, Enchantress and Winsor carnation. E. A. Chipman, Woonsocket, R. I.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Wizard Brand Cattle Manure.
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Clay's Fertilizer.

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Hosea Waterer, Philadelphia, Pa.
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Feverfew R. C. 75c 100 prepaid. Chas. Frost, Kenilworth, N. J.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keiler, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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FLOWER POTS

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

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John McKenzie, North Cambridge, Mass.
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Thousands of Geraniums, mixed, all double; 2½-in., \$2.50 per 100; 3-in., \$4.00 per 100. Mme. Sallerol, out of 2-inch, fine plants, \$2.00 per 100. Verbenas, out of 2-inch, separate colors or mixed, \$2.00 per 100. Salvia, in 2½-inch pots, \$2.50 per 100. Seedling Verbenas, five separate colors, or mixed, \$10.00 per 1000. Asters, eight colors, separate or mixed, \$7.00 per 1000. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbrirer, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½-in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

Mme. Sallerol geraniums, 2 in., \$1.50, 100. Cash. Geo. Connors, So. Market St., Gallon, O.

Geraniums S. A. Nutt, strong, 3-inch stock, \$4.00 per 100. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

Rose Geraniums 2½ in. \$2.50 per 100. Chas. Frost, Kenilworth, N. J.

GLADIOLI

J. L. Moore, Northboro, Mass.
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E. S. Miller, Wading River, L. I., N. Y.
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O. V. Zangen, Hoboken, N. J.
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GLADIOLUS BULBS IN MIXTURE.

Second size, \$10.00 per 1000; third size, \$8.00 per 1000; fourth size (good planting stock), \$5.00 per 1000. This is one of the finest mixtures ever offered. Frank Banning, Kinsman, Ohio, Originator of America and Niagara.

Gladioli. Groff's Hybrids. White light and yellow mixture. Pink and shades of pink mixture. All first sized bulbs, at \$1 per 100, \$7 per 1000. C. Peirce, Dighton, Mass.

Gladiolus seed from choice mixture, \$2.00 per lb. C. V. Woodruff, Orange, Conn.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

In writing to Advertisers kindly mention Horticulture

GLASS

- Boston Plate & Window Glass Co., Boston.
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- Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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- Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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- Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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- Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Greenhouse Glass, Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co., 1133 Broadway, New York.
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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- A. T. Stearns Lumber Co., Neponset, Boston.
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- King Construction Co., N. Tonawanda, N. Y.
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- Hitchings & Co., Elizabeth, N. J.
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- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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- S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.
- Foley Mfg. Co., Chicago.
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- Hitchings & Co., Elizabeth, N. J.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

- Florists' Hall Asso. of America, J. G. Esler, Saddle River, N. J.
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HARDY FERNS, MOSS AND GREENS

- H. M. Robinson & Co., Boston, Mass.
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- Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.
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- The Kervan Co., New York.
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- Rice Bros., Minneapolis, Minn.
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HARDY VINES AND CLIMBERS

- Henry A. Dreer, Philadelphia, Pa.
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- Kroeschell Bros. Co., 466 Erie St., Chicago.
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- Hitchings & Co., Elizabeth, N. J.
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HERBACEOUS PERENNIALS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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HOLLYHOCKS

Hollyhocks, double, in separate colors—out of 4 in. pots—extra heavy and healthy. Price \$8.00 per hundred. A. L. Miller, Florist and Nurseryman, Jamaica Ave. opp. Schenck Ave., Brooklyn, N. Y.

HOSE

- Henry A. Dreer, Philadelphia, Pa.
Garden Hose.
- Mineralized Rubber Co., New York, N. Y.
Anchor Greenhouse Hose.
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HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
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- Foley Mfg. Co., Chicago.
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- Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS

Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2 1/4-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

Hydrangea Otaksa, very strong, rooted cuttings, ready for 3 in. pots, \$2 per 100. Strong 3 in. pot plants, \$4 per 100. F. J. Langenbach, Florist, Norwich, Conn.

INSECTICIDES.

- Nicotinide kills all greenhouse pests. P. R. Palethrope Co., Owensboro, Ky.
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- Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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- B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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- Aphine Manufacturing Co., Madison, N. J.
Aphine.
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- Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
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IRIS

- E. S. Miller, Wading River, N. Y.
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- IRIS—The very best out of 500 sorts. C. Betscher, Canal Dover, O.

IRON VASES

- Walbridge & Co., Buffalo, N. Y.

JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St., New York.
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- A. Leuthy & Co., Roslindale, Mass.
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- Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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- Home Correspondence School, Springfield, Mass. Dept. 8.
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LILIES

- E. S. Miller, Wading River, N. Y.
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- Henry F. Michell Co., Philadelphia, Pa.
Hardy Japanese Lilies.

LILY OF THE VALLEY PIPS

- Hjalmar Hartmann & Co., Langangstraede 20 Copenhagen, Denmark.
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- Kentucky Tobacco Product Co., Louisville, Ky.
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NIKOTEN APHIS PUNK

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NURSERY STOCK

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Nursery and Florists' Products.
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- Dingee & Conard Co., West Grove, Pa.
Ornamental Shrubs.
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- Maurice J. Brinton, Christiana, Pa.
Norway Spruce.
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- Lancaster County Nurseries, Lancaster, Pa.
California Privet.
- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

OLD ENGLISH GLAZING PUTTY

- Hammond's Paint & Slug Shot Works, Fishkill-on-Hudson, N. Y.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Carrillo & Baldwin, Mamaroneck, N. Y.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID PLANTS — Continued

G. L. Freeman, Fall River, Mass.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs, Rutherford, N. J.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Philadelphia, Pa.
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Joseph Heacock Co., Wyncote, Pa.
Home-Grown Palms.

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John Scott, Brooklyn, N. Y.

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A. N. Pierson, Cromwell, Conn.

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PANSY PLANTS.

Ready now. 250,000 fine large fall transplanted Pansies in bud and bloom. Superb strain, the finest market strain grown. A trial order will convince you that these are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10.00 per 1000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

Pansies, fall transplanted, best mixed Giants, stocky plants, \$1.00 per 100; \$10.00 per 1000. Cash with order. Brown Bros., 904 S. Broad St., Carlisle, Ill.

Pansy plants, from fall sown seed, 50c 100 prepaid; \$3.00 1,000 by express. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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PELARGONIUMS

200 Pelargoniums, 4 in., large plants, mostly budded, good variety, 10c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
Double Petunias.
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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PHLOXES

Annual Phlox nana compacta, Fire Ball, red, very dwarf, blooms when 2½ in. high. Transplanted seedlings, 60c. per 100; \$5.00 per 1,000, by mail prepaid. P. Pearson, 1725 N. Campbell Ave., Chicago, Ill.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Henry A. Dreer, Philadelphia, Pa.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIVET

West Jersey Nursery Co., Bridgeton, N. J.
California Privet.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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RIBBONS AND CHIFFONS

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Own Root.

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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.

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R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield" Ever-Blooming

Crimson Rambler.

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Grafted Roses.

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Eastern Nurseries, Jamaica Plain, Mass.
New Dawson Rambler Roses.

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Arthur T. Boddington, New York, N. Y.
Decoration Day Roses.

F. R. Pierson Co.,
Hardy Field-Grown Roses.

Tarrytown-on-Hudson, N. Y.

Ellwanger & Barry, Rochester, N. Y.
Pink Climbing Rose.

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Rambler roses, 2-year, field stock, six kinds, 7c. Levant Cole, Battle Creek, Mich.

The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SALVIA

Salvia splendens and Bonfire transplanted seedlings. Prepaid 75c. per 100. Chas. Frost, Kenilworth, N. J.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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Wanted—Contract to grow aster, cabbage, tomato plants, etc.; seedlings or transplanted. Write me what you need and I will give you prices. P. Pearson, 1725 N. Campbell Ave., Chicago, Ill.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion.

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Schlegel & Fottler Co., Boston, Mass.
True Irish Shamrock Seed.

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E. F. Winterson Co., Chicago.
For Plantsmen, Nurserymen, Seedsmen.

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John C. Meyer & Co., Lowell, Mass.
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SOUTHERN SMILAX

Louisville Floral Co., Louisville, Ala.
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SPHAGNUM MOSS

Sphagnum moss, best quality, 80c. per bale; 10 bales, \$7.00. Cash with order. Write for prices on larger quantities. L. Amundson & Son, City Point, Wis.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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STEVIA

Stevia rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

In writing to Advertisers kindly mention Horticulture

STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

Strawberry Plants and Asparagus Roots. All the leading varieties, and at prices that are right. Catalog free. C. Peirce, Dighton, Mass.

STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.

SULFOCID

B. G. Pratt Co., New York, N. Y.
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SULPHUR BURNER

Benjamin Dorrance, Dorranceton, Pa.

SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
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TRITOMAS

Tritoma Pfützerli, red hot poker plant, \$3.00 per 100; \$50.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VERBENA

Lemon verbena rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

VIOLETS.

Everett E. Cummings, Woburn, Mass.
Princess of Wales Violet Cuttings.

Riverside Greenhouses, Auburndale, Mass.
Rothschild Violets.

VIOLET THREAD

John C. Meyer & Co., Lowell, Mass.
Green Silkaline.
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WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, Pa.

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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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PUBLICATION RECEIVED.

The sixth annual report of the State Forester of Massachusetts is issued. It contains a statement of the results obtained during the year 1909 in the work of suppressing the gypsy and brown-tail moths and the progress made in general forestry, and these topics are covered with a completeness very creditable to State Forester Rane. There are a number of illustrations from photographs of fire-swept woods, new plantings, operations in spraying trees, etc. The summary of recommendations, which is concise and convincing includes one item of \$100,000 for the purpose of handling the elm-leaf beetle under the State Forester's direction. This with \$165,000 for the gypsy and brown-tail warfare and \$15,000 for carrying on the forestry department amounts to \$280,000, which the state is asked to appropriate for this department for the coming year.

INCORPORATED.

Windsor, Ill.—The Quigley Cemetery. Incorporators J. W. Herron, E. D. Tull and L. A. Gaston.

Tyler, Tex.—East Texas Nursery Co.; capital stock, \$50,000; incorporators, Ed. W. Mims, C. C. Crews, Joe M. Mims.

Buhl, Idaho.—Buhl Nursery Co.; capital stock, \$50,000; incorporators, James Munroe, S. A. Dicked and A. V. Mounce.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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WANTED—A good, all-round greenhouse man, strictly sober and reliable; good designer, married man preferred; capable of taking charge of a small place. Apply to Wm. Doel, Pascoag, R. I.

WANTED—An all-round working foreman well up in growing Carnations, Chrysanthemums, etc. For further particulars address or call upon Thomas Pegler, Park St., Boston.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

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GREENHOUSE FOR SALE—Built for private estate. In excellent condition. Length 78 ft., width 36 ft., including forcing house in rear. Size of glass 16 x 24; height front, 4 ft. 6 in.; centre, 9 ft. 6 in.; rear, 7 ft. 2 in. Allen Improved Steam Boiler. 2300 running ft. of piping. Price, etc., P. O. Box 81, Providence, R. I.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

Cheap land for a bulb grower; some basket material; ideal place for man wishing to retire. A. G. Cobb, Anna Maria, Fla.

DURING RECESSION.

The Chicago Bowlers.

The Chicago Florists' Bowling League brought their series of 81 games to a finish last Thursday night. A feeling of hearty good-will and loyalty characterized the contest from the playing of the first game September 30 to the closing one, April 14th. The Carnations were one game in the lead, the Violets holding second place when the last night arrived, and when the Carnations lost on the first game the excitement can only be understood by lovers of this sport. They made good on the next three games, however, and the Carnations won the championship, the Violets taking second place, Orchids third and Roses fourth. The Carnation team is manned as follows: F. Ayres, E. Farley, F. Krauss, E. Winterson and F. Pasternitz. The Violets: T. Yarnell, V. Bergman, E. Johnson, F. Liberman, J. Kruchten. The Roses: O. Goerisch, W. Lorman, G. Peiser, Wm. Wolf and J. Strauss. Orchids: J. Zeck, J. Huebner, T. Vogel, Wm. Graff and Geo. Asmus.

T. Yarnell won the J. B. Deamud cup for highest individual score and the other winners will be announced after the meeting of the bowling club next Thursday. About \$140 will also be divided among the players. The ten members making the highest record will now bowl a short series to decide the team for the Rochester meeting of the S. A. F.

The League has had an efficient worker in Frank Pasternick for secretary, and after the chairman, Allie Zeck, left the city that work devolved upon him also, and it is largely to his untiring efforts that the success of the winter is due. Several members dropped out for various reasons and the League lost one member by death, J. Orseke. A full report of the prizes will be given next week.

SITUATIONS WANTED

GARDENER—Landscape and floriculturist, has talent and fondness for his profession; competent to take charge of large estate; Swiss, 37 years of age; married; two children; wages \$70 and house. S. A. Leuba, 47 West 129th St., N. Y. City.

HEAD WORKING GARDENER, English, wants situation. Thoroughly experienced in all branches; would take a good single handed place. Married, age 35, no family. Apply, Benjamin Disley, 425 West 13th St., Oklahoma City.

FUNGI.

Few persons realize to what extent fungous troubles are robbing the fruit grower and farmer of the profits of his labor. The potato harvest is cut half in two if not protected, and sometimes entirely ruined. The fruit harvested is lacking in size, color and smoothness. Consequently, apples of excellent flavor are sold to the cider mill, while apples that in quality are not fit for the cider mill command fancy prices because of their handsome appearance. Can we get this handsome appearance on eastern-grown fruit? I have no hesitation in answering, "Yes." Experiments made in the East this past summer warrant my saying so.

I had the privilege of attending the National Apple Show at Spokane, Wash., last November, which was undoubtedly the greatest exhibition of beautiful apples that the world has ever seen. It had on exhibition some New York and West Virginia apples, which were as highly colored as the same varieties grown in Washington and Oregon—just as smooth and perfect, and compared favorably in size. Many people suppose that there are certain climatic conditions in the West that are especially favorable to fruit. This is partly true. Climatic conditions were more favorable in the East thirty years ago than today. The increase in insect and fungous diseases has been discouraging to the most enthusiastic fruit growers, and many have fallen by the wayside. All of the newer fruit sections are freer from those drawbacks, but time will more or less equalize these conditions. The ever increasing demand for quality fruit and vegetables is calling for beauty as well as flavor, and fungous diseases do more than anything else to rob fruit of its lustre and bloom so pleasing to the eye, and for which the public are paying a disproportionately high price.

Fungi, in plain English, is one of the lowest groups of plant life, and those we have to deal with mostly on fruit and vegetables are parasites (microscopic in size), some of which attack cuts or wounds such as are made by insects, or bruises from careless handling or packing; yet other forms of fungi will attack healthy plant life, boring their way through the healthy tissues. Heat and moisture are very favorable to their growth and spread, yet some forms are more abundant in cool seasons. It will thus be seen that fungi are of innumerable forms, attacking when and where least expected. This makes it a most dangerous enemy. It is like combatting a contagious disease which we cannot see and know it only by results.

But the grower need not be discouraged, for an immense amount of work has been and is being done along these lines by our National and State Governments, as well as chemists connected with commercial houses, and the experiments made in this past year have been exceedingly gratifying. You will appreciate the difficulty when you understand that fungus is one plant growing on another, and a remedy must be found that will kill one without injury to the other. This has been the difficulty with the old Bordeaux mixture, that in killing the fungi, the little plant cells on both leaf and fruit are often injured.

Scientists have long believed that some form of sulphur other than the copper sulphate would destroy fungi without injury to the fruit and vegetable. This past season experiments were made with self-boiled lime sulphur, commercial lime sulphur, iron sulphate, "sulfocide," etc. The last named, which made an excellent record in the experiments of last year, contains actually between 29 and 30 per cent. of sulphur in solution, admitting of a great dilution; and in every instance where tried as a substitute for Bordeaux mixture, it has far surpassed it in effectiveness with no injury. Whether it can be used on peach and plum will be a matter of future experiment, but the fact that with less trouble and expense it can be used where Bordeaux has been the only remedy is very encouraging and makes it worthy of a trial.

B. G. PRATT.

GATHERING LADYBUGS.

The fable of the mouse which saved the life of the lion has its parallel in the ladybug and the rancher in California. For years untold the children have been singing—

"Ladybird, ladybird, fly away home," and the ladybirds have lifted their little red wing-cases and flown away accordingly. Now the fruit growers and farmers of California are menaced by a thousand insect enemies, and their most able defender appears to be the little ladybird, or ladybug. Early in the history of domestic parasitism in California the ladybug's fight against aphides was conducted almost exclusively in the melon patches. Now, however, it has been found that the little soldiers are capable of protecting many branches of the agricultural and horticultural industries, and so the little redcoats are being enlisted, or drafted, in numbers exceeding the czar's and kaiser's armies combined.

This year the prune men of northern California have made requisition upon the state insectary for bugs, while the apple growers of the foot-hills have also asked protection. It is the cabbage growers of the Imperial Valley, in the hot southern region of the state, that make the greatest demand for ladybugs. Very soon, too, the grain growers of the Sacramento Valley will be asking protection against aphids that threatens the destruction of their crops, and then will come the gardeners and the fruit men, all asking for ladybugs.

For weeks past agents of the state horticultural commission have been at work in the mountain canyons gathering the ladybugs. While being prepared for shipment, the bugs are handled like so much grain. They are scooped into measures, thrown into a chute, and finally on a bed of excelsior in great boxes that look like arm cases. Here they are kept at a low temperature so that they will remain dormant until called out for active duty. Each crate contains from 50,000 to 60,000 of these militant patrons of husbandry, enough, when they begin breeding, to protect twenty acres of garden or orchard against the attacks of the aphids. No charge is made for the redcoats, but the state insectary uses its judgment to place the insect fighters where they will do the most good. The ladybugs themselves are

beyond price, for it is scarcely too much to say that without them the horticulture and agriculture of California, now valued at millions, would be a failure, and the state would be a desert.—John T. Bramhall, in *The Country Gentleman*.

THE ELM LEAF BEETLE.

The following notes are being distributed by Nursery Inspector A. B. Stene of the Rhode Island State Board of Agriculture, as part of the campaign which the Board hopes to wage against the elm beetle this spring and summer.

Among the insects which these warm spring days are calling into activity is the elm leaf beetle, and since a little effort now may reduce the numbers of this pest quite materially, a few suggestions in regard to the methods of checking it should not be amiss.

The beetle winters over in the imago or so-called "adult" form, and since it is not so hardy as some of our native species and does not know how to burrow in the ground, it seeks protection from the vicissitudes of winter weather in all kinds of protected places, but most frequently, perhaps, in sheds, barns, belfreys and attics, and sometimes even in the living rooms of houses. The warm spring weather brings these beetles into activity and they seek exit through windows and other well-lighted openings. As a result, the housekeeper frequently finds on the inside of the windows, little, dingy-looking, black and yellow striped beetles about a quarter of an inch long, which should by all means be captured and destroyed.

An easy way to destroy these beetles is to sweep them into a tin can or cup in which there is a little water and a tablespoonful of kerosene. A bath in the film of kerosene which will form on the surface of the water will destroy the ambitions of the most hopeful beetle.

When the foliage of the elms appears, beetles which have successfully passed the winter and the housekeepers' vigilance will begin to feed, and little round holes in the leaves will show as evidence of their activity. They feed for some time before beginning to lay eggs, and an early spraying with lead arsenate is, therefore, advisable. If the beetles can be destroyed before eggs are laid, future trouble from the larvae, which are really the more destructive as well as the more difficult to spray for of the two forms, can be avoided.

The beetle is quite resistant to poison and a solution containing one pound of a good quality of lead arsenate to ten gallons of water should be used.

Thoroughness in spraying is essential. Each female beetle which fails to get a sufficient dose of poison will lay from 400 to 600 eggs, and if only a few of the beetles escape, the number of the resulting larvae will be sufficient to cause considerable injury to the trees. Care must therefore be taken to cover the foliage at the tops of the trees as well as in the lower part of the crowns. Since the beetles eat entirely through the leaf and the larvae feed only on the under surface, covering the underside of the leaf with the solution is the more effective spraying, since it will catch both the beetles and any larvae which may subsequently appear.

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144 sheets.....	3.50
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56 lb. \$3.25

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EVERGREEN BRAND FLOWER FERTILIZER

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

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IMP SOAP SPRAY

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Always the Same
Common Pests 1 to 40

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EASTERN CHEMICAL CO.

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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

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Thomson's Vine and Plant MANURE

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56 pound bag \$3.00
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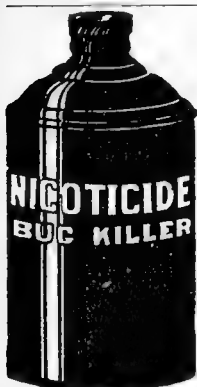


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Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

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Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
31 Union Stock Yards Chicago

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The Hawley Glass Cemetery Vase, flared top, 5½ inches in diameter, 9 inches deep, inside measure, with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase, No. 1 in both green and white enamel, 6½ inches deep and four inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6½ inches deep 3½ inches diameter and a four inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Also, Stone Cemetery Vases in blue only. These are 6½ inches deep, 4½ inches in diameter with a four inch spike. Price \$1.50 per dozen.

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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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Hunt's Spiked Cemetery Vase

Beautiful Clear Crystal Glass, heavy to stand hard usage, 4½ inch diameter and 9 inch deep. Each 20 cents, \$1.40 dozen, 5 dozen (1 bar. cl) \$6.25. White Enamel Lawn or Cemetery Vase. Made of heavy Tin Sheetting, Enamelled White.

No. 1—4½x6½ inches. 20 cents each, \$2.00 per dozen
No. 2—3½x6½ " 15 " 1.60 per dozen

E. H. Hunt, 76-78 Wabash Avenue, Chicago

GREENHOUSES BUILDING OR CONTEMPLATED.

Syracuse, N. Y.—H. H. Franklin, addition.

Wilson, N. Y.—R. S. Church, one house.

Montvale, Mass.—William H. Ward, one house.

Girardville, Pa.—Walter G. Payne, one house.

Staatsburg, N. Y.—Dinsmore Estate, three houses.

Morton Grove, Ill.—Poehlmann Bros., 8 houses.

Schultzville, N. Y.—Elmer Wooden, one violet house.

Sharon Hill, Pa.—Robert Scott & Son, two houses.

Meadow Lake, Wash.—Penfold & Wilson, one house.

Pittsburg, Pa.—Davis & Britton, house 75 x 100 feet.

Dayton, Ohio.—Mrs. B. Haschke, house 28 x 150 feet.

Agawam, Mass.—Mark Aitken, three houses 32 x 300 feet.

New Castle, Ind.—Weiland & Olinger, range of houses.

Peckville, Pa.—W. J. Broad, Prospect Hill, one house.

Gloversville, N. Y.—Pool, The Florist, house 40 x 350 feet.

Lockport, N. Y.—D. T. McCarthy & Son, propagating house.

San Francisco, Cal.—Domoto Bros., 2 houses. 26x320 feet each.

Earlington, Ky.—Pleasant View Greenhouses, three houses.

Godfred, Ill.—Allen and Irving Keiser, three houses 20 x 70 feet.

Syracuse, N. Y.—Crouse Klock, range of houses and conservatory.

Raspeburg, Md.—John P. Willheim, chrysanthemum house 25 x 150 feet.

Lake Linden, Mich.—Pearce Hardware and Furniture Co., two houses.

Newton Centre, Mass.—Edwin S. Webster, Hammond street, one house.

Newton, Mass.—C. E. Holbrow, Tremont street, house 32 x 225 feet, house 32 x 200 feet.

Little Rock, Ark.—J. W. Vestal & Son, conservatory, flower store and offices, to cost not less than \$25,000.

Springfield, Mass.—Mark Aitken, who has 25,000 feet of glass on Osgood street, intends, probably next spring, to take these houses down and

rebuild them on the Agawam property which he purchased last fall. This property contains 22 acres of land and he is at present putting up three houses 33 x 300 feet on it. These will contain about 40,000 square feet of glass.

DREER'S Florist Specialties KEYSTONE CEDAR PLANT TUBS



Diam.	Each.	Doz.	100.
A 11 in.	.65	7.15	55.00
B 12½ "	.75	8.25	65.00
C 13½ "	.85	9.35	75.00
D 14½ "	1.00	11.00	90.00
E 15½ "	1.25	13.75	110.00
F 16½ "	1.50	16.50	130.00

Three largest sizes have handles.

SPECIAL PAUL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28.00

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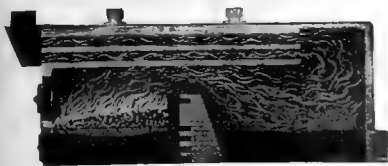
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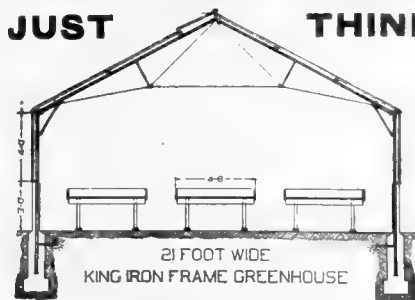
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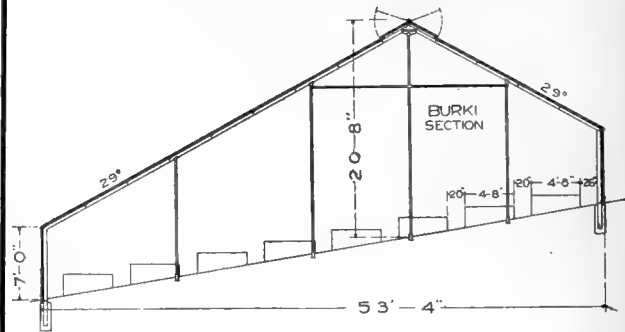
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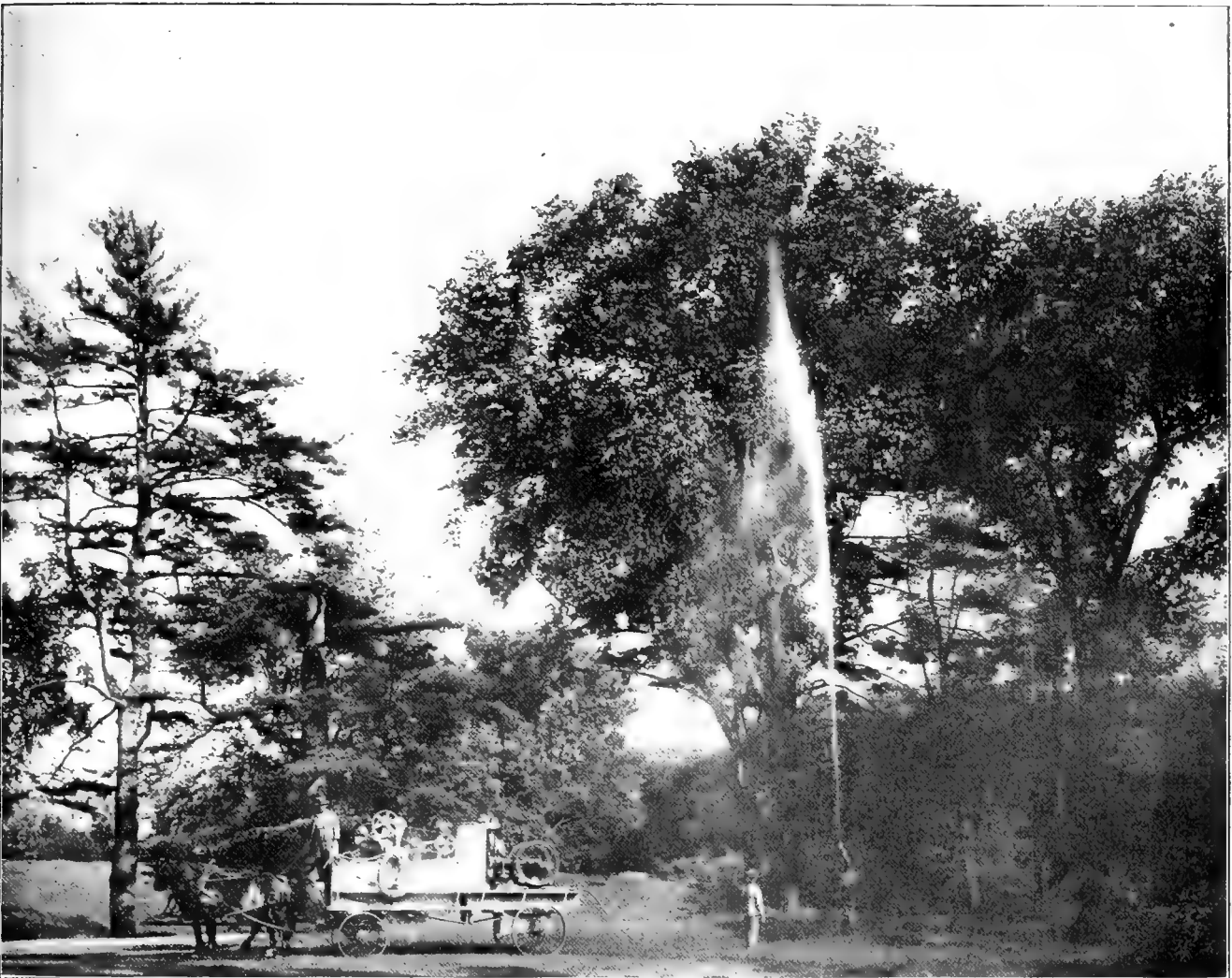
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Vol. XI.

APRIL 30, 1910

No. 18



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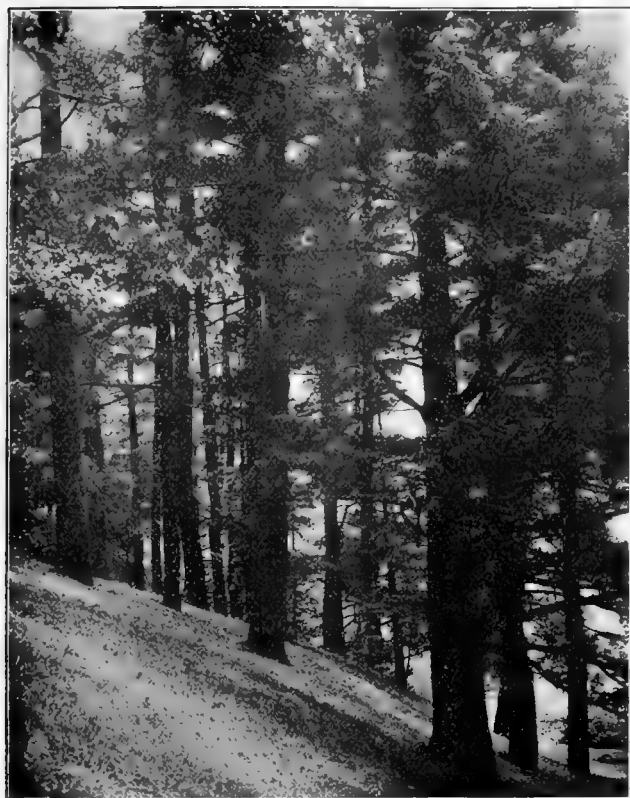
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O when I am safe in my sylvan home
I tread on the pride of Greece and Rome,
And when I am stretched beneath the pines,
Where the evening star so holy shines,
I laugh at the love and the pride of man,
At the sophist schools and their learned clan,
For what are they in their high conceit
When man in the bush with God may meet.

Ralph Waldo Emerson.

The accompanying picture speaks for itself. Think of the untold years it has taken to produce this stately grove and the wickedness that would countenance its destruction. Yet there are many such beauty spots which are being destroyed every day and which can never be replaced in the life of anyone now living. Our cover illustration shows how industriously the park department of Boston, under the direction of that most eminent and efficient of park superintendents, J. A. Pettigrew, is working to preserve the sylvan beauty of the reservations under their care. Were it not for the foresight which secured these groves for the enjoyment of all the people for all time they would have been laid waste years ago. But now, when the hand of man has been effectually stayed, come the gypsy moths and brown-tails and elm beetles and other pests and but for the determined fight which has been put up it would not be long before their devastation would be accomplished.

Clematis

NEW EVERGREEN SPECIES FROM NORTHERN CHINA

Not for many years has there been such interest manifested in a new plant as was shown last Saturday at

the Massachusetts Horticultural Society's Hall in a hardy evergreen clematis exhibited by R. & J. Farquhar & Co.

The plant was raised from seeds collected in northern China by Mr. E. H. Wilson of the Arnold Arboretum expedition. The seeds were collected for *Clematis Armandii*, and Mr. Wilson who saw the plant in bud, the buds being of a pink color—was greatly surprised at the appearance of such a novelty—believing that a pink form of *C. Armandii* had appeared.

While the plant in general appearance resembles *C. Armandii*, the foliage is larger and more massive and the flowers are double the size of those of that variety and differ from it in being strongly jasmine scented. The flowers occur in sprays of four and in arrangement remind one of a spray of *Phalænopsis*.

Professor C. S. Sargent, director of the Arnold Arboretum, considers the plant one of great promise. The plant exhibited has stood one winter out of doors and is likely to prove perfectly hardy. It was awarded a first-class certificate of merit.

Trans-Atlantic Notes

LIEGNITZ ROSE SHOW

This is now a Rose town, for 30,000 roses have been planted by various exhibitors from many countries. Those who wish to see the fragrant "Gruss an Teplitz" will have to journey to Liegnitz. The climbing roses head the list, so that it promises to be a climbing contest. The usual bare sight of a rosary with its wooden pillars, arches, and laths, of many rose shows in late years will be missing at Liegnitz. The exhibition area measures 45 morgen (a morgen equals 3.122 yards).

ALBERT ROBST

celebrated on the 30th of last month his fiftieth year of service as head gardener to the firm of Ernest Benary, Erfurt. The jubilant was on this occasion awarded the Order of the Crown, 4th class, and his chefs honored him with a prize medal and a valuable gift. Herr Robst still retains the important position in the nursery he has held for so long a period of time.

PRAGUE

In view of the unfavorable financial condition of Bohemia the Landesceusschuss has determined not to decorate the official buildings with flowering plants. At a time when everyone is endeavoring to decorate the houses in the city with plants and flowers, Austria commences to be economical with the use of flowers, etc. It would be interesting to learn the amount of money saved by this policy, if only to compare it with the useless expenditure thrown out of the window, so remarks *Die Gartenwelt* of April 9 last.

Friedrich Möhrke

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country. The destruction of young growing crops and fruit buds by blizzards and freezing which, for the time of year and condition of vegetation, have no parallel in the history of fruit growing and farming in America, is appalling. This is one of those catastrophes against which no human plans or precautions can avail much. When they occur there are lessons to be learned, however, and one of these is that in estimating or computing profits from these industries the annual risk of the recurrence of such losses should never be lost sight of. Fruit growing and market gardening have been given an unprecedented stimulus within the past few years and such a ruinous set back at this stage of their development is greatly to be regretted.

A mischevious proposition

Stockbridge, Mass., is at present the storm center over a movement to so modify the Massachusetts laws against the defacement of the natural scenery of the State by advertisements as to sanction the erection, under certain conditions, of signs on the public highways, containing directions to the traveling public and "designating thereon by whom such signs are erected." One does not need a spy-glass to see what the adoption of such a law would lead to. We hope the attempt will be defeated. Massachusetts has taken and maintained a foremost position in the campaign against the billboard nuisance and the disfigurement of the landscape by advertisements. She can't afford to stand before the country as having now taken any backward step. Far better go the other way, if there is to be any change in the statutes and make the rules more prohibitive than ever. That is the way public sentiment everywhere is heading.

The Nursery Inspection Bill

H. R. 23253, the "Simmons Bill," providing for inspection of all imported nursery stock under the direction of the Secretary of Agriculture is now under consideration by the House Committee on Agriculture at Washington. We commented on this bill last week as one likely to meet with the approval of the parties most largely interested, referring particularly to the clause providing that inspection should be made at the point of destination instead of at port of entry as stipulated in a previous bill. But there are other clauses in this bill to which the Nurserymen's Association and others whose interests are involved take exception and we are inclined to the belief that they are justified in the protest which we understand has been made by representatives of the Association at a hearing before the committee in Washington this week. There is also cause for disquietude as to the application of certain clauses to the seed and florist industries. An awkward complication in the situation lies in the existence already of State inspection laws of more or less rigid character. We shall await with interest details of the hearing and earnestly hope that the bill may be so amended that no injustice or avoidable inconvenience may attend its operation. Unless this can be done no effort should be spared to accomplish its defeat.

We join most sincerely and feelingly in the great wave of sympathy which follows the news of the calamity which has befallen the vast fruit-growing and gardening districts of the central and southern sections of our

The great
freeze

SEASONABLE NOTES ON CULTURE
OF FLORISTS' STOCK.*Adiantum Farleyense.*

This beautiful fern, I think, is unsurpassed by any of its allies, and for decorative purposes it has few equals. Its culture differs somewhat from that given other adiantums commonly grown. The only mode of propagation is by division, the fronds being all sterile. Any plants that are resting now, and before the young growth starts, can be broken up into pieces and put in a compost of chopped sphagnum peat and sand. They can be covered very lightly with the same material and placed in a warm propagating bed or house with suitable shading. They should be left in the bed long enough to make roots sufficient to cause little balls of the compost to adhere to them. The soil for the first potting should consist of fibrous loam, leaf mold and sand, in equal proportions. When potting from 4-inch up, the soil should be in a lumpy condition, using only the fibrous portion and discarding the fine soil entirely.

A very good compost to use for this fern is one part of dry cow manure to four of fibrous soil. Pot moderately firm. In hot and dry weather keep the atmosphere moist and give plenty of fresh air, taking care, however, not to expose them to cold draughts. A temperature of 65 to 68 degrees at night is sufficient. From now until November it is best to have the glass shaded, but during the remainder of the year full light can be admitted without injury.

Aquatics.

Florists who have ponds of their own can derive quite some profit from planting them with aquatics. But when such facilities are not at hand they can be successfully grown in tanks, vats, or a hoghead sunk into the ground. To grow any of the nymphæas to perfection there is nothing better than cow manure. In all cases where artificial resources are used a good rich soil and plenty of it is necessary to cultivate aquatics. By planting strong plants of nymphæas in May, you will have fine flowers by July. The hardy nymphæas and nelumbiums when in natural ponds and tanks must have sufficient water above the crowns in winter so that the ice does not reach them. When grown in tanks they can be protected with branches and salt hay. The tender species will do finely in our hot summers, but must be taken up and kept in a house of 55 to 60 degrees. The tubers can be placed in a flower pot with ordinary soil, which should be moist but not wet during the winter. The best hardy nymphæas to grow are *Marliacea* white, *Marliacea rosea* pink, *Candidissima* white, *Laydekeri* lilacea rosy lilac, *Odorata* sulphurea yellow. Here are some fine tender species: *Nymphæa gracilis* white, Mrs. C. W. Ward rosy pink, *Zanzibarensis* dark blue, *Pulcherima* light blue.

Grevillea robusta.

This plant is very useful to the florist for vases and veranda boxes. It is now about time to sow the seeds. Start them in flats and shift as required. They should be kept indoors all summer and will make useful

plants for next year. Plants of moderate size are the most to be desired, therefore it is best to sow some seed every spring. They lose their decorative value when over three feet high. No florist should fail to grow some grevilleas. They will stand a good deal of rough treatment, and are not subject to any insects.

Bedding Stock.

The season for planting all kinds of bedding and flowering plants will soon be here, and, to get the best results, sufficient time and labor should be given the plants so as to have them in good shape. Bedding plants should be allowed to become reasonably well pot-bound by shipping time. Stock thus becoming more firmly root-bound from day to day will need the closest attention as to watering and airing. Much of the bedding material now congesting our houses should find its way into frames. Should these be all in use, temporary inclosures can be brought into play. All these make-shifts will give room needed by other stock yet to be potted up. Stock especially raised and dealt in for outdoor planting should, in the first place, never be grown too rapidly. As the planting season draws near, a gradual hardening-off process should be carried on so as to put them in condition for outdoor changes. It is unwise now to cut down any stock for cuttings, thus spoiling your fine plants for an uncertain market.

Dahlias.

For the production of fine flowers the ground should be deeply dug, and well manured annually. Dahlias succeed best in an open situation, and in a deep, rich loam, but there is scarcely any good garden soil in which they will not thrive. As the plants increase in height they should be furnished with strong stakes to secure them from high winds, and securely tied as the growth proceeds. The cuttings that were taken in February and were struck in March and grown on, should be nice stock in 4-inch pots now. They should have plenty of light and air, so as to harden them off before planting-out time, which should be about the last of May or the first of June. If it is desired to grow them for exhibition as is common with the show varieties, remove all the lateral growth two feet above the ground and disbud, leaving only one bud to a stem, allowing no more to set until the flower is nearly developed. But if a wealth of bloom irrespective of size and form is wanted, allow all the side shoots to grow. During their blooming give them abundance of water and cultivate well during the hot weather.

Lemon Verbena.

Nothing is more appreciated than a few sprays of lemon verbena in a bunch of flowers. They should be nice little plants now in 3-inch pots. They will be greatly benefited by being plunged in a mild hotbed, and should be pinched so as to form good bushy plants. They will stand lots of syringing to keep down red spiders, and will need frequent fumigation to control the green fly.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on Annuals, Bay Trees, Cymbidiums, Epacris, Hardy Ferns and Tuberoses.

FERTILIZERS FOR STRAWBER-
RIES.

The following notes on strawberry culture were given by Wilfrid Wheeler in response to an inquiry from the "Question Box" at the meeting of the Gardeners' and Florists' Club of Boston on April 26.

Strawberries need a good deal of quickly available plant food in the form of potash and phosphoric acid added just before the blossoms appear.

In preparing land for a strawberry bed care should be taken to provide a situation where there is abundant moisture in the soil or where water can be added, for while almost any soil will grow a good plant it needs a soil with plenty of moisture to produce good berries. I speak of the moisture conditions as being very essential in dissolving quickly the necessary elements contained in the fertilizers, which are applied just before the bed comes into fruit, as well as supplying the water, of which the strawberry contains nearly 83 per cent. There is nothing better as a fertilizer for strawberries the first season than well-rotted stable manure, well worked into the soil. The plants should be fed during the growing season with such materials as tankage, basic slag, bone meal and wood ashes or sulphate of potash. A good formula to use is as follows: 1000 lbs. of tankage, 500 lbs. basic slag and 500 wood ashes or 200 sulphate of potash to an acre. This should be applied at intervals of about three weeks, care being taken that the fertilizer is not put on the green leaves of the plants.

Fertilizers containing nitrogen in any form should not be used in the spring near the fruiting season, as such fertilizers have a tendency to soften the berries, make them insipid and of poor color.

Wood ashes and basic slag can be applied at this season with excellent results. If wood ashes cannot be obtained, sulphate of potash is a good substitute, used at the rate of one lb. to 125 square feet.

It is very difficult to give advice to anyone when soils and conditions are not known, but I have often noticed in garden culture that strawberries are overfed rather than underfed and the plants go all to foliage rather than fruit. If it is borne in mind that after a good plant has been grown nitrogenous fertilizers should not be applied I feel sure that in most soils the strawberry will be a success.

"COUNTING THE COST.

"To make one little, golden grain
Requires the sunshine and the rain,
The hoarded richness of the sod,
And God.

To form and tint one dainty flower
That blooms to bless one fleeting hour
Doth need the clouds, the skies above,
And love.

"To make one life that's white and good,
Fit for this human brotherhood
Demands the toil of weary years -
And tears."
T. A. DALY.

"Your paper is a great help to me,
and I hate to lose a number."

E. W. S.

N. Y.

NEWS OF THE CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Notwithstanding the heavy rain storm over one hundred members were present at the meeting on the evening of Tuesday, April 26.

Among the communications read by the secretary were several from Congressmen promising support in favor of parcels post and in opposition to free seed distribution. Another came from J. W. Duncan, who is now in Spokane, resigning his office as president and also as a member of the club, and same was accepted.

Peter Fisher was nominated and elected by a unanimous and enthusiastic vote to fill the position of treasurer, left vacant by the death of Edward Hatch.

F. J. Rea spoke on herbaceous plants for spring planting. Wilfrid Wheeler sent a paper on the cultivation of strawberries, and William Swan a communication on annuals for winter blooming, recommending larkspurs and lupins as the best and mentioning *antirrhinums*, *Nemesia strumosa* Suttonii, *Nigella Miss Jekyl*, *Schizanthus Wisetonensis*, *Leptosyne maritima* and stocks as also among the desirable things. Secretary Craig added *Clarkia Salmon Queen* as a pot plant, *Dimorphotheca aurantiaca* for sowing in benches, *calendulas*, and several others.

R. W. Curtis gave an excellent talk on early flowering trees and shrubs, illustrating same with a large collection of branches and flowers, and considerable discussion of this timely topic ensued.

Among the exhibits were the following: Peter Fisher, seedling scarlet carnation No. 409, report of merit. Louis Dupuy, *Erica ventricosa* magnifica and *Hydrangea hortensia* Avalanche, report of merit. Both of these novelties were greatly admired. John Dorgan, *antirrhinums*, report of merit. Mrs. E. M. Gill, herbaceous *calceolarias*, F. E. Palmer stocks.

J. K. M. L. Farquhar spoke of the coming National Flower Show and recommended some special recognition of the event and official action by the club. This will be brought up for consideration at the May meeting.

Resolutions as follows were presented and adopted:

Resolutions on the Death of Edward Hatch.

Whereas, The Supreme Ruler of this Universe has seen fit in his infinite wisdom to call to his eternal rest our well beloved friend and brother, Edward Hatch; and,

Whereas, Edward Hatch was a man worthy of our highest esteem because of his nobility of character, his blameless life, his great heart, his ever-ready sympathy and charity to the poor and needy, therefore,

Be It Resolved, That we, The Gardeners' and Florists' Club of Boston, whilst bowing reverently to God's will, do so with hearts full of sorrow at the loss we have sustained in the death of a friend so dear, one who stood ever ready to help with wise ad-

vice and unselfish aid the members of this organization which he loved so well and served so faithfully as treasurer for many years.

Edward Hatch spoke few criticisms of those with whom he disagreed; he said no evil things of others; he was remarkably free from resentfulness; his noblest virtue was his willingness to forgive and his ability to forget, and no opportunity was ever lost to give a kindly word of praise for anyone he liked.

His genial presence we shall all miss, but his memory will be ever with us and his name will always shine as a bright star in the list of our departed members. Our club will not forget his spontaneous generosity as displayed on very many occasions. No man ever won and retained so thoroughly the affection of our members as did Edward Hatch. He was the idol of those who knew him best.

Resolved, That these resolutions be inscribed in the records of the Gardeners' and Florists' Club of Boston, and that a copy thereof be sent to his bereaved family.

(Signed) WM. J. STEWART,
P. WELCH,
WILLIAM DOWNS,
Committee.

CONNECTICUT HORTICULTURAL SOCIETY.

Rose Night was observed by our Society on the 22nd inst.

It was decided to make the next meeting night, May 13th, Fertilizer Night, for a general discussion concerning the important question of soil fertilization, and especially for an address by Prof. John J. Ruegg, president of the Lava Company of America, of Passaic, N. J., who expects to be with us on that evening. While the idea of utilizing volcanic ashes from many different mountains of the world seems novel and speculative to some, our Society has determined to give a respectful hearing to one of the most ardent advocates of this product.

The absence of any roses on our exhibition table was more than compensated for by the delivery of an able and eloquent address by Howard A. Pinney, one of John Coombs' valuable assistants, on the subject of "The Rose." Paying a high tribute to the skill of American rose growers, Mr. Pinney briefly described the various leading classes of roses, and gave useful hints on their culture. The soil cannot be too good or too rich for roses, he said. The liberal use of water produces marvellous effects. Rose gardens have their place, but it is not in front door yards. They should be planted in groups or masses, for the best effect. Budded plants are the most satisfactory, though own-root plants will be insisted upon by some, whose wishes should be respected. Faulty pruning he believed to be a great evil in rose growing, and the seller often has to take the blame. If pruned back to two or three buds at planting time, and each year thereafter to the same extent, less disappointment would ensue.

Rugosa roses are, in his opinion, the

rose for the millions, and are really shrubs, and of extra hardy constitutions. Climbing roses rank next in value, quickly transforming unattractive views into delightful pictures. Crimson Rambler, Dorothy Perkins, Lady Gay, and Farquhar, were especially praised as possessing the highest merit; and Hiawatha, one of the most remarkable yet introduced, will undoubtedly become the greatest favorite of them all. He denominated it "a grand new rose of the highest quality." Among hybrid perpetuals he mentioned Jacqueminot, Marshall P. Wilder, Mrs. John Laing, Frau Karl Druschki, Paul Neyron, Ulrich Brunner, Earl of Dufferin and American Beauty as among the most desirable. The dwarf polyantha roses have marked a new era in rose culture, being quite hardy and free blooming, and ideal as bedding plants.

In closing his address, Mr. Pinney said that "the rose is the flower of the masses; and its culture in a general way will be for the good of all mankind." President Huss advocated fall planting for roses.

GEORGE W. SMITH, Sec'y.

AMERICAN CARNATION SOCIETY.

Henry Eichholz, Waynesboro, Pa., registers the following named new carnations:

Princess Charming—Helen Boseler × Enchantress. Salmon pink. 3 to 4 inches. Very strong, vigorous grower. Very free producer of first-class flowers. Keeping and shipping qualities excellent.

Christmas Cheer—Alvina × Victory. Fiery scarlet. 2 to 3 inches. Habit dwarf, though stems reach 2½ feet after Christmas. Extremely floriferous. Will produce 100 or more blooms per plant in a season. Especially fine for pot culture. Through an error this name is printed Winter Cheer in the judges' report in the annual report just issued.

A. F. J. BAUR, Sec'y.

CLUB AND SOCIETY NOTES.

A call has been issued for a meeting to be held at Horticultural Hall, Boston, at 3 p. m., on May 27, to consider the organization of a *Gladiolus* Society. The call is signed by Maurice Field.

Preparations for the second annual flower show of the Albany Florists' Club were discussed at a special meeting on April 21. Fred A. Danker, chairman of the show committee, gave a preliminary report on the finances of the exhibit in the armory last November. A committee of five, with John Sambrook, Watervliet, chairman, was appointed to call upon the florists, growers and others interested, to ask them to furnish exhibits. Displays of seedling carnations were made by President Fred Goldring, F. A. Danker and Heikes Bros. Wm. Hannell had a nice show of carnations and roses.

The Bar Harbor Horticultural Society held its second annual ball at the Casino, Bar Harbor, Me., Friday evening, April 15th. It proved to be one of the most enjoyable affairs ever

held there. The hall was handsomely decorated. Red and green lights with evergreen, shrubs and palms gave the galleries and entrance a very handsome appearance. About 150 couples formed for the grand march which was led by William Miller and Miss Vester Stubbs and Mr. and Mrs. Charles Shand. John H. Stalford was floor director, his aids being Bernard Morris, Clifford Came and William Siever.

The Dayton Florist Club of Dayton, Ohio, held their second annual banquet at the Phillips House the evening of April 15th. H. H. Ritter, president, sat at the head of the table and a very excellent menu was enjoyed. Quite a number of informal talks were delivered after the banquet. The following were among those present: Mr. and Mrs. George Bartholomew, Mr. and Mrs. J. F. Young, Mr. and Mrs. Horace Frank, Mr. and Mrs. F. Mittman, Mr. and Mrs. F. Hasche, Mr. and Mrs. A. E. Schmidt, Miss Bertha Hendricks, Miss Ruby Bartholomew, Miss Catherine Young, A. Bartholomew, Fred Noon, Jos. Furst, C. M. Schaefer and the president, H. H. Ritter.

President Alost of the New Orleans Horticultural Society tendered his friends and colleagues a sumptuous dinner at Rose Villa, Gentilly avenue recently. Mr. Alost was much surprised at the presentation of a handsome traveling bag and tea set, and as he expects to leave for Europe in June he will be able to make use of the traveling outfit. The presentation speech was made by C. R. Panter, secretary of the Society and during the evening the following gentlemen made addresses: P. A. Chopin, Uriah J. Virgin, C. W. Eichling, Solomon Marx, Ed. Baker, E. C. Killere, F. J. Mitenberger, E. J. Thread, Harry Dressel, Harry Papworth and others.

President Alost is one of the oldest and most enthusiastic members of the Society. Many of the foremost men in horticulture in New Orleans are among the members and it has gained much in strength and prominence during the past ten years; it is now twenty-six years old. Officers are: A. Alost, president; Herman Doesche, vice-president; C. R. Panter, secretary; John Eblen, treasurer.

CARNATIONS.

Read before the Florists' Club of Philadelphia, March 1st, 1910, by A. M. Herr.

The trade papers have been full of carnations and carnation society matters for the past month, but they seem to be an inexhaustible subject and I will try and not repeat too much of what has been said.

There seems to be no diminishment in the number of promising novelties year after year; in fact, they seem to be increasing in number and wonderfully increasing in quality. Those of us who were in Pittsburg could not help but remark on this feature of the novelties exhibited there. Just what to expect from these novelties from a commercial point of view is a question for the future. No doubt many of them will prove a disappointment to either the originator or the buyer or both, but what a monotonous world this would be with no disappointments

to make us properly appreciate our success.

In my address at Pittsburg I recommended that a report be secured from a number of growers giving their experience with the introductions of the previous year, these reports to be sent to the secretary of the Carnation society and published in pamphlet form each year. The Society, or rather the committee whom I appointed to take up the recommendations made in this address, did not see fit to even bring this up for discussion. We can hardly ask the trade papers to take it up, but the various florists' clubs might have an experience meeting each January and discuss this matter of the preceding year's novelties pro and con. The opinions of the commission man and the store man are quite as valuable as those of the grower. We cannot expect to get as good results as the National Society could, but with a free interchange of opinion we can buy the second year novelties with some assurance of success, and quite a number of the \$50.00 per 1000 varieties would be hunting buyers at 50 cents per 1000. Publicity of failures is needed, and badly needed. Elbert Hubbard says "let each individual work toward the betterment of as many other individuals as he possibly can, and his financial reward will be money flowing into his pockets as naturally as water flows into a river." How many successes have you had among the novelties bought last season? Don't keep them to yourself. How many failures have you had among the novelties you bought last season? Tell us about them. Some one among us may be able to put you on the track of making this failure a success; if not, then neither you nor I want to plant it another season.

Another point I tried to bring out, and which was ignored by my committee, was to have a tag attached to each bunch of flowers giving the date they were cut and the grower's name on it. This in the course of time would be looked for and demanded by the final consumer as a guarantee of good faith. I would like to see a fresh-flower law enacted on similar lines to the pure-food law, and believe that such a law properly enforced would treble the use of our flowers. Not long ago I was in a store where a good-looking vase of Enchantress was in the window; the clerk told me about half the blooms in this vase were flowers from Chicago, and that they were three days old, the balance of the vase being fresh flowers from a local grower. Enchantress is not the best of keepers and we all know that the final consumer getting flowers from this vase was foreordained to disappointment. Let our carnations be sold under a guarantee by the retail man that they have been cut on a certain date and add a little advice as to the best method of keeping and many an occasional buyer will be turned into a regular customer. It is not so much the price of flowers that interferes with their sale as the fact that in many cases the buyer receives so little value for the money spent.

Let the growers try to grow such varieties as are known good keepers, making this one of his first demands in buying a novelty, then let him grow them properly and tag them, as previously suggested, and in the course

of time the man who does this will find himself on the high road to success, and the man who does not will be traveling an opposite direction.

Enchantress and all of its sports can, if well grown, be turned out moderate keepers but the careless grower wants to leave them alone. Pink Delight, Victory, White Perfection, all of the Lawson type, Winona and O. P. Bassett are all good keepers under ordinary culture and it is this class of varieties that should be planted in quantity and some of the softer but perhaps more beautiful sorts be experimented with until you learn to handle them and turn out flowers that will give good satisfaction.

Another point I tried to bring before the Carnation Society was our lack of business methods and ideas. The retailer in our business is perhaps the nearest to 1910 business methods, but he has much to learn; the commission man follows along about 1900 style and the grower is lagging back somewhere about 1850 style. Not that I know much about 1850 business methods but it will do for a simile and I believe is a correct one. We do not need cultural methods, we have them once a week in four trade papers, but we do sadly need business methods and we need some one to come into our societies who has made a study of modern business and tell us something about this end of our work.

There is some money in carnation growing; in witness thereof just note the modern eight and ten-thousand-dollar houses going up exclusively for carnations. The man who has the cash to pay for these structures is all right; the man who builds on credit will have many a weary year before his houses are paid for. I maintain that the modern carnation establishment can not produce carnations at a profit for less than a two-cent average from Sept. 1st to June 1st. Keep your own records, charging up every item of expense, interest, taxes, wear and tear and every item that goes into the production of your carnation blooms and see if I am wrong.

When you see retailers paying \$16,000 a year rental for their store, and wholesale establishments without number in all of the larger cities and the grower adding house after house you naturally conclude each and every one is making money "a la Rockefeller," analyze the situation carefully and you will find a triumvirate competing hades.

I am not up in business methods well enough to suggest a remedy but I want to give this as an opinion and that is "there are entirely too many commission houses in the larger centers and the competition among them is getting to be a bit hard on the grower. The grower, the retail man, the commission man and the final consumer are all component parts of what is and ought to be an immense business. The healthy increase and life of that business needs the encouragement of each of these sections. Get together.

In our last issue the name of Mr. P. Pearson, grower of fine *Primula obconica*, was incorrectly given as P. Peterson. However, the primulas will grow just as well, notwithstanding.

CHICAGO NOTES.

A Destructive Storm.

Nature has added another startling surprise to the many already ours this season. All is excitement in the downtown district today (Monday) as the various nearby growers are bringing in reports of the havoc wrought by the hard frosts of the past three days. After the warmest March in thirty-nine years all vegetation was in an unusually advanced stage, and the first cool days in the latter half of April came as a welcome relief. Even the appearance of light snow in the air on the 17th caused no apprehension. What started in as a gentle rain on the 22nd turned during the night to a howling blizzard with a cold north wind and temperature as low as 22 degrees in some localities. Icicles eighteen inches long hung from eaves and did not melt for days. Snow fell to a depth of three inches. The tender young leaves of large shade trees hung limp and ice in low places formed to a considerable depth. The greatest concern is felt for the peonies which were in full bud. Not only are the growers of Chicago losers by the hard freeze, but the loss of the crop tributary to Chicago market is also serious for the commission men and further reports are awaited with much anxiety.

Later Reports of the Big Storm.

Nothing encouraging can be said of the situation at this writing, Tuesday, April 28th. The cold rain alternating almost hourly with a wet snow is steadily falling. Those who were so hopeful of a happy outcome as a result of the snow on the frozen vegetation are less hopeful, now that the low temperature and wet weather has reached the fourth day and no indications that a change is near.

Reports from peony growers in the outside towns vary somewhat, but all agree that at least a large part of the crop is gone while there are many who believe that there will be no peonies at all this year.

That the most advanced peonies are gone is now the general verdict in and about Chicago. The older peony plants had their buds, showing color, and they are now black and still hang down in the cold rain. It is now ten days since the fall in temperature began and only late varieties can possibly escape.

Much anxiety is felt for the young carnations in the field. So far as the frost was concerned, the safety of the plants that had been out long enough to be established had caused no anxiety. But the long continued cold rain is likely to develop stem rot and this new source of danger is a serious one.

Whether our shade trees lose their leaves is a question frequently heard, and much speculation as to the effect on the tree, if so. No one can be found who can remember any similar experience and the drooping leaves in many cases are quite black.

Prospects for Memorial Day.

Most florists think the chances of a good business for Memorial Day are very slim. Roses are likely to be off crop and the market so long glutted with stock will be comparatively bare. Outdoor stock in any quantity is an impossibility and even without the

storm lilacs and snowballs would have been over with before another four weeks. It looks as if the artificial wreath will be more in demand than florists like to see and more nearly excusable than usually is the case.

Shakespeare Day.

Unfortunately for those who would do honor to the memory of Shakespeare, the storm prevented the carrying out of the program so carefully prepared for Saturday. Many wreaths of flowers were placed upon his monument in Lincoln Park, sent or carried by his admirers in Chicago and in eastern cities, but the blinding storm made it impossible for the people to remain more than a few moments at the celebration of the poet's 346th anniversary. The statue was hidden in a bank of flowers, which will be allowed to remain several days. Among them were wreaths sent by many noted actors, including Robert Mantel, Edward J. Sothorn and Julia Marlowe.

Another Failure.

This morning the word went around the market that L. Visas, known as the Masonic Temple Florist, was missing and there are many wholesalers who are the losers. The three Visas Bros., Greeks, have one of the best downtown retail stores and did a good business. The move must have been sudden as the eldest brother, who is the manager, had planned to expend \$3,000 on changes in the store which has entrances on both Randolph and State streets and the work had already begun.

Notes in General.

Wm. Homberg has resigned his position with the J. B. Deamud Co.

D. D. Johnson says Evergreen Brand Fertilizer will make vegetation all right if applied after the storm ceases.

Some of the wholesalers have expressed their intention to draw the line more sharply on credits hereafter on account of the recent failures.

Samuelson had a beautiful window last week, done entirely in spring flowers. Possibly he foresaw the impossibility of trimming one in this way this week. Mr. Samuelson is contemplating adding an automobile to his equipment.

Geo. Cook has resigned his position as superintendent of grounds at Sears, Roebuck & Co. and is succeeded by R. C. Lund, formerly at the Garfield Park conservatories. Sears, Roebuck & Co. have probably the most beautiful grounds of any business house in Chicago.

Circular letters have been sent to the trade by the International Forwarding Co., offering for sale six crates of choice boxwoods and conifers from Belgium. They were consigned to R. Jahn, Dearborn street, whose place of business was closed by action of the Municipal Court at the instigation of the landlord.

The A. H. Hews Co. decided last January to give up their Chicago office and have now closed out the stock on hand. The Hews pots are manufactured in Cambridge, Mass., and the cost of freight has been a big item since the establishing of the Chicago business, some three years ago. Last January the new and higher freight rate

went into effect and the firm decided to discontinue their Chicago branch.

Personal.

J. B. Deamud has returned from a two weeks' trip in the East.

Miss Lillian Blom of Bassett & Washburn office is spending a week in Toledo.

Visitors: M. Bloy, Detroit, Mich.; Chas. H. Plumb, Detroit, Mich.; Geo. R. Crabb, Grand Rapids, Mich.; J. W. Lyon, Belvedere, Ill.; E. Amerpohl, Janesville, Wis., and A. N. Kinsman, Austin, Minn.

DURING RECESS.

Chicago Bowlers.

The results of the winter's tournament of 81 games are as follows:

CARNATIONS: Capt. Frank Ayres, Frank Pasternich, Ed. F. Winterson, Ernest Farley, Fred Krauss.
Total pins, 58,673; Average, 724 20-81; prize, \$25.00.

VIOLETS: Capt. Victor Bergman, Erick Johnson, John Kruchten, Fred Lieberman, Thomas C. Yarnall.
Total pins, 57,589; average, 710 78-81; prize, \$15.00.

ORCHIDS: Capt. Huebner, Wm. Graff, Geo. Asmas, Theodore Vogel, John Zech.
Total pins, 57,007; average, 703 64-81; prize, \$10.00.

ROSES: Capt. Wm. Wolf, Otto Goerisch, George Pleser, Wm. Lorman, Frank Johnson.
Total pins, 56,991; average, 703 48-81; prize, \$5.00.

Each member of Carnation team receives champion fob, donated by Peter Rlenberg.
Individual Winners. Average. Prizes Won.
T. C. Yarnall..... 158 3-81 \$12.00
John Zech..... 157 30-81 10.00
Wm. Wolf..... 157 17-75 8.00
Erick Johnson..... 154 4-74 7.00
Victor Bergman..... 151 39-75 6.00
Frank Ayres..... 150 60-81 5.00
Wm. Graff..... 147 17-80 4.00
Frank Pasternich... 146 75-78 3.00
Ernest Farley..... 146 61-68 2.00
John Huebner..... 146 60-81 1.00

The first six men each receive an umbrella donated by Foley Mfg. Co.

T. C. Yarnall, Individual Champion, got silver cup donated by Mr. J. B. Deamud.

Victor Bergman, high single game 256, prize \$5.00; high average 3 games 204 flat, prize \$5.00.

Orchid Team, high single game 921, prize \$5.00; high average 3 games 867 1-3, prize \$5.00.

Mr. Bensinger, who has the alley, donated \$55.00 to the Florist Bowling League.

Special Notice.

Starting Friday evening, April 29th, all florists desiring to bowl and make the team to represent Chicago at the coming convention should be at Bensingen Alley, 118 Monroe St., at 7.30 p. m. Everyone has a chance to make the team. FRANK PASTERINICH.

"Enclosed please find \$1.00 for subscription to HORTICULTURE. Rush copy along, we need it."

S. F. CO.

North Dakota.

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

For Decoration Day

We have this year the most complete, elegant and salable stock of florists' goods ever offered for the MEMORIAL DAY trade. Our line of PRESERVED FOLIAGE and other INDESTRUCTIBLE DECORATIVE MATERIAL cannot be excelled and the name of BAYERSDORFER & CO., on the package guarantees that goods and prices are

All Right

Don't wait until the last moment to make inquiry. SEND NOW for list of Standard and New Goods for this important occasion. All you have to do is to show the goods. THEY'LL SELL. Wreaths of Cycas, Magnolia, Fern and other foliage in Green, Autumn Tints and Moss effects are among the novelties.

METALLIC WREATHS are our specialty; we make them up with Roses, Pansies, Forget-me-nots or anything you please. STANDING ANCHORS, PILLOWS, WREATHS, ETC., all graceful and true to nature. Cape Flowers; Immortelles, all colors; Doves; Sheaves.

H. BAYERSDORFER & CO.

The Florists' Supply House of America

1129 Arch Street, Philadelphia, Pa.

Obituary.

Joseph Whipple Congdon.

Joseph Whipple Congdon, well known to scientific men throughout the world, died recently in Waterman, Wash. Mr. Congdon won considerable success as a lawyer before taking up the study of plant life. He devoted himself to exhaustive research in the field of botany and added considerably to the world's knowledge of that subject. He was well known in Europe where he made a considerable collection of plants and these combined with a collection from the East, he presented to the Stanford University. European institutions also received highly valued gifts of the same character. When he died Mr. Congdon had an herbarium of about 10,000 specimens. He is survived by a widow, one son and daughter. Interment was in Port Blakeley Cemetery.

Samuel W. Twombly.

Samuel W. Twombly, who was for many years engaged in the florist and truck gardening business at Winchester, Mass., with retail store in Boston, died on April 27th, at the age of 88 years. He was born in Tamworth, N. H., July 31, 1822. For over fifty years he has been active in the social and political life of the beautiful suburban town of Winchester, and much of the attractiveness of this model residential

district is due to Mr. Twombly's influence and foresight in the various departments of the town affairs in which he served. He had three terms as representative of his district in the legislature.

Personally, his character was of the highest and his buoyant disposition made for him many friends.

The greenhouses at Winchester have for a number of years been conducted by his son, John D. Twombly.

Luther James Bradford Olcott.

The funeral of this widely known expert on grass was held at Manchester, Conn., on April 25. Mr. Olcott was a remarkable man and his influence, quietly exerted, will live as long as a grass lawn is known. Rev. Dr. Reynolds, who officiated at the funeral, said:

"Mr. Olcott's greatness appears in that he chose to identify himself with something as small and ordinary as grass and made the grass famous. He took that strip of ground yonder, he planted it with grasses gathered from all over this globe; for twenty years he had been working with those grasses through storm and sunshine and he had made that strip of land the most famous strip of grass land in this country. A man cannot make a strip of land famous because of his labors with grass unless he is great himself. The message of his toil was, let there be grass and nothing but grass upon this strip of land, and there was grass such as we have never before seen. Grass as thick as a sponge,

as soft as velvet; grass as beautiful as a carpet for the palace of a king. A man who could impress you and the generation in which he lived with the grass he produced must of necessity impress you with his own personality, and he did."

APHINE

Is proving a most effective, while at the same time absolutely harmless, insecticide for use on young stock.

It destroys the insects, and invigorates the plants.

Have you tried it?

**Aphine Manufacturing
Company**

MADISON, N. J.

NEW AND DESIRABLE HERBACEOUS PLANTS.

Read before the Gardeners' and Florists' Club of Boston by Arthur E. Thatcher.

(Continued from page 624)

To retain the majority of herbaceous plants in a vigorous and healthy condition, it is necessary to occasionally divide and replant them and this applies especially to those which rely upon a mass of fibrous roots for support, such as asters, campanulas and phlox, but such strong rooting plants as *Anemone Japonica* and those with long roots and few fibrous ones will succeed for many years undisturbed if the soil is well prepared.

I would strongly advise giving the border a covering of some material in the fall as soon as the stems have been removed, and for this purpose I prefer soil to anything else as it not only protects the crowns, but affords the roots new food for next season.

Water, whether in the form of ponds or streams, is a most valuable adjunct to all gardens, large or small, and no part of an estate can be made more attractive and beautiful than the aquatic garden if it is well arranged and the most suitable plants are employed. This, however, is a large subject and would need a separate lecture to do it justice; but I fear I have already taken up too much of your time so I will confine the rest of my remarks to some herbaceous plants which thrive best at the edge of the water or in marshy ground. Many of these are recent Chinese introductions, and when seen growing one is greatly impressed with the remarkable beauty of that country's flora, and they are all perfectly hardy.

Astilbe Davidii is perhaps the most beautiful of the family and like all the others would be worth growing for its luxuriant foliage. The flowers are produced on branching stems, five feet in height, and the color is best described as deep rose-pink with a suffusion of violet, a peculiarly beautiful combination not seen in any other plant. *A. grandis* is similar in all respects, except that the flowers are pure white.

A. rivularis and its two varieties, *gigantea* and *major*, are noble plants with immense foliage and arching spikes of creamy white flowers.

A. Chinensis is a plant of great merit with a light pink inflorescence and such varieties as *Washington*, *New Rose*, *Queen Alexandra*, *Silver Sheaf* and *Thunbergii*, which grow from two to three feet high, are indispensable where the best plants are desired.

The *Spiraeas*, though often regarded as being akin to *Astilbes*, are botanically very different; but they are equally beautiful for waterside planting. There is considerable variety of form and coloring among them and a good selection would include *gigantea* and its variety, *rosea*, which are six feet high, *Venusta* with rich pink flowers, *palmata* and its two varieties, *alba* and *elegans*, and the double form

of the English Meadow Sweet, *S. Ulmaria flore pleno*.

Everyone is familiar with *Caltha palustris*, the Marsh Marigold or King Cup, of which there are several good double forms, but the most noteworthy is the new *C. polypetala*, which is the giant of the family. It has very large foliage and the flowers are borne on long stems.

Two handsome North American plants are *Napaea divica* and *Stenanthium robustum*, both deserving of extended cultivation. *Oreocome Candelieri* is also very uncommon, but its elegant foliage and white flowers render it very attractive.

China is responsible for the best of the hardy Primulas; *pulverulenta*, rich purple; *Cockburniana*, orange scarlet, and *vittata* with deep rosy purple flowers are unsurpassed for such positions as where *P. Japonica* succeeds. For many years *Rodgersia podophylla* was the only member of this family cultivated in gardens, and had no new varieties been discovered in China we should have been perfectly satisfied with the large bronzy foliage and numerous white flowers of the well known species, but now there are several others of even greater value. *R. aesculifolia*, with leaves like a horse chestnut and large panicles of rosy white flowers on stems four feet high, is extremely effective. *R. pinnata*, with salmon pink flowers and its white variety are also desirable plants.

Saxifraga peltata, which produces its tall flower stems in spring before the foliage, is one of the best waterside plants and the variety *gigantea* is a larger edition in all respects.

One does not often see that beautiful British plant *Butomus umbellatus* in cultivation, although it is one of the best for growing just at the edge of the water. It has rush-like foliage and fall umbell of rosy pink flowers. For spring flowering the *Globe Flowers* or *Trollius* are unsurpassed and many beautiful varieties are now obtainable in a variety of color, some with yellow and others with rich orange-colored flowers. *Fire Globe*, *Newry Giant* and *Orange Globe* are three of the most desirable plants I am acquainted with.

Rheum Alexandrae is an extremely ornamental rhubarb from China and the most effective of the family. The pale yellow leaf bracts which cover the flower stems present a unique and beautiful appearance in June and contrast well with the dark glossy green foliage. Perhaps the most ornamental of all bog garden plants from the far East are the *senecios*, and Mr. Wilson would have done a good work for horticulture had he only introduced these. *Senecio clivorum* is a singularly beautiful plant, with foliage a foot or more in diameter and rich golden yellow flowers three inches across on branching stems five feet high. *S. Veitchianus* has large foliage and bright yellow blossoms which are produced on the upper portion of the stem for fully two feet, and *S. Wilsonianus*, which is similar in habit, has smaller flowers in much larger numbers. As single specimens or when planted in groups these three plants are unsurpassed.

The pansy crop in France and Germany has been badly winter killed.

ROSES IN OREGON AND WASHINGTON.

Presented at the meeting of the American Rose Society by Wm. S. Silson.

Mr. President and Gentlemen: You will appreciate the vastness of the subject upon which I have been requested to speak, when I remind you of the extent of territory, and diversity of conditions in regard to climate and soil, that exists within the two states I am to discuss. Combined they aggregate 160,000 square miles, an approximate acreage of 61,500,000 acres of land so diversified in character that in a brief address it is possible only to select a limited area, and to refer generally to the balance of this wonderful empire, which in development is only in its infancy. Having a coast line on the Pacific Ocean of about 500 miles, these states are divided about 150 miles from the coast by the Cascade range of mountains into two great sections, namely, Eastern Oregon and Washington, and Western Oregon and Washington. It is of conditions in the western division that I will endeavor to say a few words that may interest those of you who are strangers to our country.

Climate.

The climate of Western Oregon and Washington is remarkably mild and even. Occasionally, of course, we have "hard winters." The one from which we are now emerging has been, all told, the worst I have seen during a residence here of nearly forty years. As a rule, however, the winters are mild, rainy and pleasant, with a mean temperature in a series of years for the five months between October and May of about 46 degrees. In the summer months from May to October the average temperature, during a like period has been about 63 degrees. These temperatures you will note are averages for a series of years. "Cold snaps," which seldom record lower from 10 to 15 degrees of frost, occasionally occur in winter and the "hot spells" of summer, which range from 85 to 90 degrees and sometimes a few degrees higher, have been of course included in arriving at the averages I have quoted.

Rainfall.

Western Oregon and Washington are frequently credited with an excessive rainfall; in fact, I have heard strangers claim that "in Oregon" it rains thirteen months in the year. As a matter of fact, the precipitation, at Portland, does not exceed 46 inches per annum, and in a series of years it has not reached this average. Perhaps, to people who visit us in winter, it may appear to rain excessively, because the bulk of our rainfall takes place during the six months from October to March. I have noticed that when we have an unusually long rainy winter, generous crops of grain, fruit, and all the products of the ground result, and while I have never seen an analysis of our Oregon winter rain water, I believe it is one of the best natural fertilizers, and laden with plant food by a beneficent nature.

About Roses.

With such a climate as I have briefly outlined, with soil unexcelled, and with a people who are enthusiastic lovers of the rose, is it surprising that our country should have become celebrated for its rose! The motto of the American Rose Society, "A Rose for every Home,

You Ought to Have More of the Palm Business of Your Town or City



—and Heacock's Palms will help you to get it! There's a lively demand in every locality, as you know, for good Palms — both from persons who purchase outright, and from those who rent for weddings, receptions, social functions, etc. In either case, you can supply the demand with profit to your self by furnishing Heacock's Palms — Kentias, Cocos, Arecas, etc.

We grow them by the thousands and our men are real Palm experts. Our stock is vastly superior to any imported stuff you could buy — our Plants are clean, healthy, vigorous, acclimated.

The accompanying illustration shows how perfectly they mature under our care. We would like to fill a sample order from you — for a dozen or a carload — each specimen just as perfectly developed as this one.

Following are our current prices for this choice stock of Palms:—

ARECA LUTESCENS

3 plants in pot.	Each.	3 plants in pot.	Each.
6-in. pot.....26 to 28 in. high..	\$1.00	8-in. pot.....36 inches high....	\$2.50
7-in. pot.....30 to 32 in. high..	2.00	8-in. pot.....42 inches high....	3.00

COCOS WEDDELLIANA

2½ in. pot.....8 to 10 inches high	\$10.00
--	---------

KENTIA BELMOREANA

6 to 7 leaves	Per doz.	Per 100	6 to 7 leaves	Each	Doz.
5-in. pot...18 in. high..	\$6.00	\$50.00	7-in. pot or tub.....		
5-in. pot...20 in. high..	9.00	70.00	32 to 34 in. high.....	2.00	24.00
	Each	Doz.	9-in. tub, 5 ft high.....		
6-in. pot, 22 to 24 in. high	\$1.00	\$12.00		\$7.50 and \$8.00	Each

MADE UP KENTIA FORSTERIANA

4 plants in tub.	4 plants in tub.
9-in. tub...42 to 48 in. high \$4.00 Each	12-in. tub...6 ft. high \$15.00 Each

PHOENIX ROEBELENI

5-in. pots nicely characterized..	\$1.00	6-in. pots nicely characterized..	\$1.50
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We're making large shipments right along; to be sure of the best, therefore, you should get in your order at once. Phone, wire or write; and when in Philadelphia be sure to run out on the Reading and look over our stock.

Joseph Heacock Co., Wyncote, Pa.

a bush for every Garden," is with us a condition and not a theory.

This sentiment is good, but in my opinion far too modest, and I hereby beg to make a motion to amend and substitute, "Roses for every Home, Roses for every Garden." The motto of the Portland Rose Festival Association is, "Roses fragrant, roses rare, Roses, Roses, everywhere," and this is consistent with the feelings, opinions, and practice of our people.

Wild Roses.

Wild roses of many species are indigenous and flourish in luxuriant foliage and wealth of bloom. The fragrant sweetbrier, vigorous and strong, in many places, lines our country roads. In some districts of deep alluvial soil, the swamp brier attains a height of 20 feet or more. High up some mountain slope, we find wild roses rioting amid the huckleberry, sallow, and other native shrubs.

The late Rev. Dean Hole, a great rosarian and one of the originators of the National Rose Society of England, in his invaluable "Book About Roses," says in effect that wherever wild roses grow, rose culture may successfully be done. Without a doubt there are in our soil, climate, and surroundings, qualities peculiarly conducive to rose growing. Eastern people are often surprised at the size, perfection, and beauty of roses in this country. To emphasize this assertion, I will quote the opinion of an expert, well known to many of you, who visited Oregon in 1903.

Sizes of Roses.

I think it was Oregon and perhaps Portland, that first realized all the good characteristics of that fine variety

Orchids Fresh Stock. Just Arrived.

Cattleya Trianae, per case, \$40.00. Labiata, per case, \$50.00.
In splendid season for strong growth and flowers the first season.

Successors to G. L. Freeman.

G. L. FREEMAN CO.
FALL RIVER, MASS.

CLUMPS OF CATTLEYA SCHROEDERAE \$1.50 each

THE GOOD EASTER CATTLEYA!
6 to 8 bulbs each clump.

ALSO CATTLEYA TRIANAE IMPORTED STOCK.

\$45.00 per case (to arrive).
ALPHONSE PERICAT
Collingdale, Pa.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

Mme. Caroline Testout, which is now perhaps one of the five most popular roses in existence. It fairly revels in the warm moist days of early summer and responds to intelligent and generous treatment, with almost continuous bloom from June until the frost of winter. When I was an amateur, or as we say here, "a Rose Crank," and

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

IMPORTED ORCHIDS

Now Arriving

Julius Roehrs Co.
RUTHERFORD, N. J.

ORCHIDS

Arrived in fine condition

Cattleya Warnerii, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

LAGER & HURRELL, SUMMIT
N. J.

ORCHIDS

Cattleya Warnerii, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN,
Mamaroneck, New York,

There Is So Much Exaggeration

in advertising nowadays that the real truth often gets lost in the shuffle. In order to distinguish the truthful from the doubtful statements, you must reason. Ask

Why?

One reason why

Horseshoe Brand Lily Bulbs

are superior is because they are grown from selected seed stock most carefully cultivated and assorted by experienced hands. Then there are other reasons too. They may cost more but not more than they are worth. Send for the Horseshoe brand Catalog.

Ralph M. Ward & Co.

12 West Broadway, New York



Horseshoe
Brand

before joining your professional ranks, I had the time and inclination to develop the best I could get out of my rose garden. You know the Paul Neyron was up to a few years ago and perhaps is yet, the largest rose in cultivation. I have seen it credited in your eastern catalogues with this characteristic, and further described as "sometimes attaining 5½ to 6 inches in diameter!" In Portland in my own garden, I have cut this rose, not once but often, measuring 11¼ inches in diameter!

Evolution.

Ever since I have known Portland, when her population was only about 9,000, her people have been devoted to roses, and I believe the same applies to every town in Western Oregon and Washington. Nearly twenty years ago excellent rose shows were held in Portland. In those days the ladies of the city took hold and by united effort and good executive, exhibitions were held that would have been a credit to much larger places. The love of roses thus encouraged, rapidly increased and every new home builder became a lover of the rose. In 1901 the Hon. F. V. Holman, a leading attorney and noted amateur rosarian, suggested that Portland be christened and henceforth called "The Rose City." The suggestion quickly "took" and today not only in this country, but throughout the civilized world, Portland, Oregon, is identified with fine roses.

In 1905 the Lewis and Clark Exposition attracted I think some two million people in this city, and the reputation and beauty of her roses were dis-

seminated far and wide. About two years later, the Portland Rose Festival Association was organized and annually in June there is held a "week of roses," including the great Rose Show under the auspices of the Portland Rose Society. At this Rose Show last year it was estimated three million rose blooms were used in the decoration of the building in which the show was held. Perhaps I am saying too much of Portland, but in this connection it is almost unavoidable, because I live there, and have been, and am in close touch with these matters. Other towns, however, in Western Oregon and Washington are developing the same success in their cultivation. It is invidious to mention names where all are interested, but it would surprise many of you gentlemen to see the beauty and quality of flowers that are exhibited at the rose shows throughout this section. At many of them, the latest introductions of Europe are exhibited. Our rosarians are also discriminating and well posted about their favorites, and woe betide the dealer who is not careful to keep everything true to name. Shakespeare says, "What's in a name! That which we call a rose, by any other name would smell as sweet." But here we must have the true rose by its true name, that was given to it by its introducer at its birth. I could say more about this, but it does not come within the province of this paper.

Commercial Aspect.

So far, Mr. President and Gentlemen, what I have written may not have been

of interest to you as professionals wishing to know something about the conditions from a commercial point of view.

I regret to say that for commercial growing in a large way, many insurmountable drawbacks exist. The mildness and beauty of the climate so favorable for the amateur is absolutely impossible for the professional. About five years out of seven, the plants will not ripen until too late for distant shipment. I have often cut good outside roses at Christmas. Then our spring usually opens too early. Frequently when the East is blocked with ice and snow, our roses are budding out and getting ready to bloom. I have more than once seen outside roses in Portland begin to bloom by or about the 8th of April. On the other hand, several times no roses have been in bloom on Decoration Day, May 30th.

In the former cases, the shipping season is ruinously curtailed. At other times there are killing frosts late in January or February, and in my own experience I have seen the young wheat plants frozen out in the middle of March, necessitating reseeded of practically the whole northern part of Western Oregon. In such seasons the plants suffer such serious injury that a year is practically lost before they can again be ready for market.

I am afraid that some of our push clubs might object to these plain facts, but for all general purposes the climate and conditions which exist in Oregon and Washington are so good that the truth will not hurt either us or them.

Dreer's Select Hardy Vines and Climbers

Potted Stock for Present Planting

AKEBIA QUINATA.

We offer extra heavy pot-grown plants of this handsome climber.
Strong 4-inch pots, \$1.25 per doz.; \$8.00 per 100.
Heavy 6 " " 2.00 " 15.00 "

AMPELOPSIS VEITCHII.

Strong 2-year-old, \$1.50 per doz.; \$10.00 per 100.
Extra selected plants, \$2.00 per doz.; \$15.00 per 100.

AMPELOPSIS VIRGINICA. (Virginia Creeper.)

Strong 2-year-old plants, \$1.25 per dozen; \$8.00 per 100.

AMPELOPSIS TRICOLOR. (Vitis Heterophylla Variegata.)
Very strong, 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

AMPELOPSIS ENGELMANNI.

Extra strong, 2-year-old plants of this most useful variety.
\$1.75 per doz.; \$12.00 per 100.

AMPELOPSIS LOWII.

A new variety of the same general character as A. Veitchii and clinging to the smoothest surface without support, but with foliage much smaller and deeply cut, giving a light and airy appearance to the plant not possessed by the older sort. In spring and summer the leaves are of a bright apple-green color, changing to a brilliant crimson and scarlet in the autumn. 60 cents each; \$6.50 per doz.

APIOS TUBEROSA.

Strong tubers, \$2.00 per 100.

ARISTOLOCHIA SIPHO.

(Dutchman's Pipe Vine.)

Extra heavy, \$4.00 per doz.; \$30.00 per 100.

BIGNONIA. (Trumpet Creeper.)

Grandiflora. Strong plants, \$3.00 per doz.; \$20.00 per 100.

Radicans. Strong plants, \$1.50 per doz.; \$10.00 per 100.

CELASTRUS SCANDENS.

(Bitter Sweet, or Wax Work.)

Extra heavy plants, \$2.00 per doz.; \$15.00 per 100.

CINNAMON VINE.

Strong roots, 40 cents per doz.; \$3.00 per 100.

CLEMATIS PANICULATA.

(Japanese Virgins Bower.)

We have an immense stock of exceptionally fine plants of this most popular of all the Clematis, and offer

Strong 2-year-old plants, \$1.50 per doz.; \$10.00 per 100; \$90.00 per 1000.

CLEMATIS MONTANA GRANDIFLORA.

The plant is of stronger growth than any other Clematis, not subject to the attacks of insects, and succeeds under the most adverse conditions. It is perfectly hardy, having withstood without the least damage in a most unfavorable position in our trial grounds. Its flowers, which resemble the Anemone or Windflower, are snow white, 1½ to 2 inches in diameter, and frequently begin to expand as early as the last week in April, continuing well through May, and are produced in such masses as to completely hide the plant. Extra strong, 2-year-old plants, 35 cents each; \$3.50 per dozen.

CLEMATIS MONTANA RUBENS.

Identical in every way with the white flowered variety, excepting in color, which is of a most pleasing shade of soft rosy red.

We offer a limited stock of strong plants, 75 cents each; \$8.00 per dozen.

EUONYMUS RADICANS VARIEGATA.

A nice lot of 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

LARGE-FLOWERING HARDY CLEMATIS.

We have again this season a fine stock of good, strong plants, two years old, own roots.

Boskoop Seedling or Sieboldi. Extra large lavender.

Duchess of Edinburgh. Double pure white.

Henryl. Finest large single white.

Jackmani. The popular dark rich royal purple.

Madam Baron Veillard. Light rose, shaded lilac.

Ville de Lyon. Bright carmine red.

30 cts. each; \$3.00 per doz.; \$20.00 per 100.

VARIOUS CLEMATIS.

	Per doz.	Per 100
Coccinea. Two-year-old roots.....	\$1 00	\$7 00
Crispa. Two-year-old roots.....	1 00	7 00
Virginiana. Two-year-old roots.....	1 25	8 00
Integrifolia Durandi. Of semi-climbing habit, large indigo-blue flowers. 35 cts. each.		

HONEYSUCKLES.

	In. pots	Per doz.	Per 100
Variegated	2½	\$ 60	\$4 00
"	4	1 00	8 00
"	6	1 75	12 00

IPOMOEA PANDURATA. (Hardy Moon Flower.)

Strong dormant roots, 50 cents per dozen; \$4.00 per 100.

HARDY JASMINE.

	Per doz.	Per 100
Nudiflorum. Yellow, 5-inch, pot-grown.....	\$1 50	\$10 00
Officinale. White, 5-inch, pot-grown.....	1 50	10 00
Primulinum. An introduction from China, its flowers fully double in size to J. nudiflorum; these appear simultaneously with the leaves. Strong plants, 35 cents each; \$3.50 per doz.		

LATHYRUS LATIFOLIUS.

(Everlasting Pea.)

	Per doz.	Per 100
Albus. White.....	\$1 00	\$7 00
Splendens. Rose.....	1 00	7 00
"White Pearl." A magnificent, new, pure white variety, with individual flowers fully double the size of the ordinary Everlasting Pea. These are produced in really gigantic trusses. We offer very strong roots at 20 cents each; \$2.00 per dozen.		

POLYGONUM.

Baldschuanicum. This beautiful, hardy, woody, twining plant is one of the most interesting and showy flowering climbers. Its flowers are white, and are borne in great feathery sprays at the extremities of the branches. Strong plants, 35 cents each; \$3.50 per dozen.

Multiflorum. A very desirable climbing plant, which seems peculiarly adapted to our climatic conditions. It is of strong, rapid, but not coarse, growth, frequently attaining a height of 15 to 20 feet in one season. Its bright green, heart-shaped leaves are never bothered by insects, and during September and October it produces masses of foamy-white flowers in large trusses from the axil of each leaf. \$1.50 per dozen; \$10.00 per 100.

SCHIZOPHRAGMA HYDRANGEOIDES.

(Climbing Hydrangea.)

One of the most interesting of our hardy climbers. Its flowers, which are borne in large trusses, are similar to white Hydrangea, and when in flower during July and August, make a handsome display. A limited stock of strong plants, 75 cents each.

WISTARIA SINENSIS.

Extra heavy two-year-old plants, 5 to 6 feet long, well rooted.

	Per doz.	Per 100
Blue	\$3 50	\$25 00
White	4 00	30 00

VITIS HENRYANA.

A new climber from China, foliage similar in outline but not as large as the Virginia creeper, foliage of great substance and prettily variegated, the ground-color being deep velvety-green, while the midrib and veins are of a silvery white. 60 cts. each; \$6.00 per doz.



AMPELOPSIS LOWII.

Henry A. Dreer, 714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the Trade only.

Hardy Climbers, Etc.

Mr. Florist, we suggest these to you to **MAKE SALES.** Do the same to your customers—**IT WILL PAY US BOTH.**

AMPELOPSIS Strong Dutch-Grown

Ampelopsis Veitchii (Boston Ivy). Extra-strong imported vines, 3-year-old. \$1.25 for 10, \$12 per 100.

Ampelopsis Veitchii robusta. A very compact-growing variety of the well-known Boston Ivy, and very highly recommended to us; will undoubtedly take the place of the ordinary Veitchii in the near future. \$1.75 for 10, \$15 per 100.

Quinquifolia (American Ivy, or Virginia Creeper). Good for covering walls, verandas, or trunks of trees; affords shade quickly. 25 cents each, \$1.75 for 10, \$15 per 100.

CLEMATIS

Henryi. Pure white; extra large. **Jackmanni.** Purple. **Alba.** White. **Sieboldi.** Lavender. **Ville de Lyon.** Brilliant Carmine-red; as good as Mme. Edouard Andre, but contrary to this one, is very free-growing.

Extra-strong plants, 30 cts. each, \$2.75 for 10, \$25 per 100. **Clematis paniculata.** Strong, 2-year-old plants, \$2.00 per doz., \$15 per 100.

ACTINIDIA ARGUTA

A desirable Japanese climber of strong, vigorous growth, with dark green, shining foliage and white flowers with purple centers, which are followed by clusters of edible fruit. An excellent plant for covering arbors, trellises, etc., where a rapid and dense growth is desired. Strong plants, 25 cts. each, \$2.50 per doz.

BIGNONIA (Trumpet Vine)

Radicans. Dark red, orange throat; free-blooming and very hardy. 20 cts. each, \$2.00 per doz.

ARISTOLOCHIA SIPHO

Dutchman's Pipe. Strong, field-grown, 3 to 4 feet. 35 cts. each, \$3.25 for 10, \$30 per 100.

WISTARIA SINENSIS Extra Strong. Field Grown

Blue. 6 to 7 feet. 40 cts. each, \$3.75 for 10, \$35 per 100. **White.** 6 to 7 feet. 40 cts. each, \$3.75 for 10, \$35 per 100.

HONEYSUCKLE

Very extra-strong, Holland field-grown plants. 6 to 8 feet long, many branches. **Halliana.** Yellow. \$3.25 for 10, \$30 per 100.

HYDRANGEA PANICULATA GRANDIFLORA

Two-year-old, 3 to 4 branches. Bushy, \$1.50 per doz., \$10 per 100.

ARTHUR T. BODDINGTON

Seedsman

342 West 14th Street, NEW YORK CITY, N. Y.

GRAFTED ROSES.

Killarney, White Killarney, My Maryland, Bride, 'Maid, Richmond, Golden Gate, Mrs. Jardine and Chatenay, all \$15.00 per hundred.

**FIRST CLASS STOCK.
IMMEDIATE DELIVERY.**

Also a full line of **OWN-ROOT STOCK**, of all the Standard Varieties.

CHARLES H. TOTTY, MADISON, N. J.

In ordering goods please add "I saw it in HORTICULTURE."

ROSES

Our young bedding roses are in grand condition, of fine size and well grown.

Write for descriptive catalog and prices.

THE E. G. HILL CO.,
Richmond, Indiana.

HYDRANGEA OTAKSA

In Bud and Bloom

Fine plants in 6-in. pots, five to six blooms each, at 75c and \$1.00 each—according to size.

NEPHROLEPIS

Elegantissima Improved. Finest of this type; shows no tendency to revert to Boston. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen.

Superbissima. A very unique fern, with dark green foliage and of dense growth. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen.

Bostoniensis. 10-in., \$3.00 and \$4.00 each; 12-in., \$5.00 and \$6.00 each; larger specimens, \$7.50 to \$10.00 each—according to size.

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON,
NEW YORK

GRAFTED AND OWN-ROOT ROSES

WHITE KILLARNEY (Waban Strain). Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.50 per doz.; \$8.00 per 100; \$75.00 per 1000.

KILLARNEY. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

MY MARYLAND. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$6.00 per 100; \$50.00 per 1000.

RICHMOND, KAISERIN, BRIDES and 'MAIDS. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

A. N. Pierson, Inc., Cromwell, Conn.

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

WHITMANII

2½-in., \$40.00 per 1000; 3½-in., from Bench, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

PHILADELPHIA NOTES.

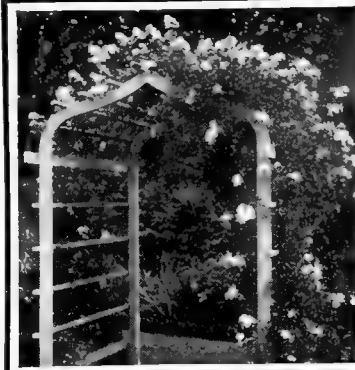
Arthur Zirkman and Robert Shoch, of M. Rice & Co., have just returned from a very successful New England trip. The Rice specialties seem to be popular among the critical down-easters.

John Burton entertained a party of friends, including J. B. Deamud, of Chicago, and some local people with an auto trip to Atlantic City and back on the 20th and 21st. Mr. Burton is the ideal host and it is needless to say that all hands enjoyed themselves immensely.

Antoine Wintzer will be the speaker at the next meeting of the Florists' Club—his subject, "Roses Past and Present." This will be worth hearing. Come in, ye lazy, home-loving laggards, and hear a past master! Antoine has been too rushed to write a paper, so the story will be extempore. Remember the date, Tuesday, May 3.

John Westcott has been at Waretown a good deal of late superintending farm operations and renovating and repairing the club house of the Waretown Rod and Gun Club of which he is commodore. The annual opening of the club will take place as usual in June. On the 23rd Mr. Westcott went on a brief visit to his venerable friend, Richard Lynex, at Atlantic City.

Alexander Cumming, late City Forester and Superintendent of Streets of



Pink Climbing Rose— Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,
Mount Hope Nurseries. Rochester, N. Y.

WE ARE NOW BOOKING ORDERS FOR BEGONIA LORRAINE BEGONIA LORRAINE LONSDALE BEGONIA AGATHA

June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4906 Market Street, Philadelphia, Pa.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

ture. We understand the business will be conducted under the title of "The Red Rose Nurseries."

W. Atlee Burpee entertained a party of visitors at his country home and seed farms at Fordhook on the 24th. M. C. Ebel, of Madison, N. J., W. J. Stewart of Boston, and John Burton and George C. Watson of Philadelphia, were among the guests. Mr. and Mrs. Burpee are genial hosts and every visitor is made to feel as if he were a prince imperial. It is considered a high honor and compliment to break the bread and eat the salt of this "gentleman of the old school," and the present occasion was no exception. The blooded stock—horses, cows, colliers, chickens and pet lambs—which are a great feature of Fordhook farms—came in for a good share of pleasant inspection and admiration under the personal conduct of Mr. Burpee and Mr. Earl. The high state of cultivation and the splendid order and system in the grounds and buildings were duly appreciated, as were the views from the top of the hill giving vistas for twenty miles around. Dr. Washburn, of the National Farm School, adjoining Fordhook, appeared on the scene later, and another treat was in store for the visitors when he took them through the grounds of this remarkable institution. The trip from Wyndmoor to Fordhook was made with John Burton in new Stevens-Duryea auto, this being the fourth and latest in his family of buzz wagons.

Visitors: H. L. Holmes, Harrisburg, Pa.; J. Martins, Hamburg, Germany; Alex. Cumming, Hartford, Conn.; J. B. Deamud, Chicago, Ill.; M. C. Ebel, Madison, N. J.; W. J. Stewart, Boston, Mass.; L. J. Reuter, Westerly, R. I.; M. Henry Lynch, West Grove, Pa.

Select Hardy Perennials

	3-in. pots, Doz.	
Aconitum Wilsonii, choice.....	\$1.50	
Anemone Japonica, Autumn	"	
Queen
Anemone Whirlwind
" Rosa Superba
" Queen Charlotte
" Prince Henry
Nierembergia Rivularis, strong
Arabis Alpina compacta, strong
field grown
Arabis Alpina superba grandiflora
Arabis Alpina flore plena
Anchusa Dropmore variety
Clematis Davidiana
" paniculata, strong 2
year plants
Digitalis gloxinoides, mixed
colors
Gypsophila paniculata fl. pl. extra
Hollyhocks, double rose
Incarvillea grandiflora
" Delavayi
Phlox divaricata
" Lapham Perry's var.
" Miss Lingard, strong
" discussata, splendid
mixed
Pyrethrum roseum, mixed colors
Rudbeckia Golden Glow
Hydrangea Otaksa

WM. TRICKER, Arlington, N. .



ALEXANDER CUMMING.

Hartford, Conn., has purchased the Adolf Muller property between Morristown and North Wales, Montgomery Co., Pa., and will establish a nursery business there. He intends to make a specialty of hardy roses and evergreens—the soil at that point being especially fine for these subjects. Mr. Cumming is an expert nurseryman, having learned his business and held responsible positions in Scotland before coming to America. Canadian and New England experience preceded his appointment as Superintendent of the Stoke-Pogis estate in Pennsylvania. We wish all success to the new enterprise and expect to see the upper reaches of the picturesque Wissahickon blossom like the rose in the near fu-



Michell's Chinese Primrose

Now Is The Time To Order Michell's Giant Strain Chinese Primrose Seed

We have a very choice strain of Primula, which is grown for us by the leading Primula Specialists in England and Germany. Flowers of extra large size, and beautifully fringed.

	$\frac{1}{2}$ Trade Pkt.	Trade Pkt.
Alba Magnifica. White.....	\$0.60	\$1.00
Chiswick Red. Brilliant Red.....	.60	1.00
Holborn Blue.....	.60	1.00
Kermesina Splendens. Crimson.....	.60	1.00
Rosy Morn. Pink.....	.60	1.00
Michell's Prize Mixture.....	.60	1.00

Our Wholesale Catalogue free for the asking

Henry F. Michell Co.

518-1018 Market St.,

Philadelphia, Pa.

Seed Trade

About Onion Sets: Results of the Cold Wave.

We were misinformed as to the true situation on onion sets, and find that they are much more abundant than what was generally supposed a few weeks ago. On account of the warm March onion sets are in a bad condition and are not selling at prices which they usually bring at this time of the year. It is said that mail order houses find the trade has fallen off greatly within the past two or three weeks, but the recent cold spell should make a renewed demand for a great many items which had unwisely been planted too early. Just how much damage the cold wave has done is not yet apparent, but unquestionably the newspaper reports are greatly exaggerated. Inquiry among the trade in New York does not show any great demand for beans, peas and other seeds, which naturally are sold early in the Southern States. According to the newspaper reports the cold wave extended as far south as Alabama and was down to thirty-two at Nashville, Tenn. If this is correct it must have seriously damaged early-sown vegetables and it may develop that such is the case within the next few days. In Michigan, Wisconsin, Indiana, Illinois and a large part of Ohio, the damage to fruit especially has been very heavy and it is assumed, though we have no positive information on the subject, that early sowings of peas which were out of the ground, have been severely damaged, if not killed outright. We shall be able to give more definite information on this subject in next issue of HORTICULTURE.

Henderson's Improvements.

Peter Henderson & Co. have at last completed the improvements on their store at 35 and 37 Cortlandt St., and now have a thoroughly equipped and up-to-date place of business. The new front is very handsome and impressive and presents favorable comment from all who see it. They are usually in the forefront of improvements and

this is simply a further evidence that they mean to remain "in the lead." Business with them is reported to have been exceptionally good and continues to be very active up to the present time.

European Crop Conditions.

Reports from Europe as to this season's prospective crop of cabbage, turnips, Swedes, beets, mangels and carrots indicate a very heavy shortage and point to another season of exceptionally high prices on these lines. This applies especially to cabbages and turnips. Efforts on the part of some of the trade in this country to increase their contracts along these lines have been largely unsuccessful as European growers feel that they will be unable to anywhere near fill orders already booked. We shall probably have something more definite as to crop conditions within the next two weeks, and same will be given in HORTICULTURE as heretofore.

Effects of the Freeze in the Chicago District.

The Leonard Seed Company reports that at this date, the extent of the damage to early crops in the Chicago garden district cannot be fully determined. In most cases, the gardeners are optimistic and hope for the best.

It is generally conceded, however, that the first planting of radishes is lost and that carrots and beets that have broken through the ground will stand a poor chance of making a crop. Head lettuce, which has been transplanted to the open ground from the hot-beds, will be greatly damaged. Early cabbage and cauliflower, similarly set out, will likely stand the adverse condition, but the serious check to the growth will lessen the uniformity of the crop and cut it down considerably. Onions and onion sets will not be hurt to any extent. Peas may pull through, but any beans that were sprouted will perish. Early sweet corn and other half hardy vegetables, where sufficiently advanced to be above the ground, will not recover. Spinach, which in some places was about ready to be cut for market is wilted and practically unsalable. This

will entail considerable loss, as many of the gardeners have been depending upon this for early money returns.

In the localities where the soil is somewhat sandy and where early planting is the rule, the crops are much further advanced than in the cold clay soil. It is a question whether this advanced condition will be of benefit. Some of the gardeners seem to think that the further advanced the small vegetables are, the greater the damage will be. On the other hand, some of them are of the opinion that where the crops are the farthest advanced the damage will be less. Taken as a whole, the loss will be serious at best, and if re-planting is to be done, there are many of the varieties of seeds that are out of the market and it will be hard for the growers to secure the proper varieties if re-planting is necessary.

The weather, which has continued cold and cloudy since the hard freeze, is doing the right thing, for a sudden return of sunshine and warmth would have been wholly disastrous to the stricken crops.

Concerning Opaque and Transparent Seed Packets.

To the Editor:

In view of the fact that seedsmen enjoy a special mailing privilege in the matter of rates it would come with poor grace for any seedsman to even hint at any objection to any reasonable regulations that the Post Office Department might see fit to impose. It is plainly evident that no one in the Department believes that seedsmen have taken advantage of the lax enforcement of a rule as old as the one to which attention has been recently called, or extension of time to the end of the season would not have been given.

Comparatively few will be affected and no one will be especially burdened except that it will eliminate the dark paper that is forbidden.

It is unfortunate that the matter should have had birth in petty politics and is a case of the many suffering for the indiscretions of a few.

C. E. KENDEL,
Sec. American Seed Trade Association.

A Disclaimer Critic.

H. B. Fullerton, editor of the "Long Island Agronomist," is hot after the seedsmen's disclaimer. On being asked to state why, he sets up a few assumptions, or straw men as they are called, and then proceeds to annihilate them for a few columns—all of the same very good logic if the starting point were but right. Possibly the only way in which Mr. Fullerton could be brought to a proper frame of mind (it seems to us) would be to have him go into the seed business himself for a little while and see how the thing works out. If a man buys a horse he doesn't get a guarantee that it will not run away and break a leg inside of a year. Does Mr. Fullerton want an insurance policy with every pound of seed? It looks that way! G. C. W.

Notes.

"Buds," the new seed, bulb and plant company, have opened business at 76 Barclay street, New York, and when the store fitting is completed it will be a very well arranged outfit with every prospect of good business. The location is a very favorable one for transient trade and Mr. Gloeckner, the president and manager, has had seventeen years' experience in this neighborhood.

Manitowoc, Wis.—As was reported in our last issue the Manitowoc Seed Co. is planning extensive additions to its warehouse and plant. They have purchased the Jirikowic property at 10th & Hancock streets, which purchase will give them more than half a block of property on 10th street.

Grand Junction, Colo.—H. M. Cannon has sold his interest in the Grand Junction Seed Co. to Whit Rozelle who will conduct the business in the future.

VEGETABLE PLANTS

	Per 100	Per 1000
BEEF PLANTS	20c.	\$1.25
EGG PLANTS	40c.	2.00
PEPPER PLANTS , Bull Nose, Sweet Mountain and Ruby King	40c.	2.00
TOMATOES , Small Plants, Earliana, Early Jewel, Dwarf Stone and Champion, Ponderosa and Matchless	30c.	2.00
TOMATOES , Small Plants, Stone, Paragon, Favorite and Success	20c.	1.00

CABBAGE, full list of leading varieties, 50c. per 100, \$1.00 per 1,000, and for 10,000 and over, 85c. per 1000.

LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, 20c. per 100, \$1.00 per 1000, 10,000 and over at 85c. per 1000.

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

DON'T FORGET

to give us a trial on Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.

We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.**, 1215 Betz Bldg., Philadelphia, Pa.
Katalog for the asking.

We Would Announce the Opening of our New Store

"BUDS"
76 Barclay Street, New York

High Grade Seeds, Bulbs and Plants
CARL R. GLOECKNER, Pres.

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS
BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS
ONION SETS **Get Our Prices** 79 and 81
FLOWER SEEDS **E. KINZIE STREET, CHICAGO**

RUSH ORDERS!

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

James Vick's Sons
ROCHESTER, - N. Y.

Mention this paper

A SUBSTITUTE
For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.
Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE
Florist and Market Gardener.
Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CAULIFLOWER'S
CABBAGE

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

PLANT NOW

	1000	100
Gladiolus America	\$35.00	\$4.00
" Augusta	15.00	2.00
" May	18.00	2.00
Caladium Esculentum 7-9	35.00	4.00
9-11	70.00	8.00

O. V. Zaagen, Seedsman, Hoboken, N. Y.

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

ESTABLISHED 1820

*Thorburn's
Seeds*

HIGHEST GRADE ONLY

Send for special wholesale catalogue for Market Gardeners and Florists.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

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26 & 27 So. Market St., BOSTON, MASS.

NEW CROP FLOWER AND VEGETABLE SEEDS
FOR FORCING

Asters, Salvias, Vincas, Verbenas, Stocks and Petunias, Tomato "The Don," Onion "Ailsa Craig," Mushroom Spawn—English and Pure Culture. *Special prices and catalogue on application.*

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Weeber & Don, 114 Chambers Street, NEW YORK

Burpee's Seeds
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

CHOICE SEEDS
FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



SEASONABLE
SEEDS
FOR THE

FLORIST

H. E. Fiske Seed Co.,
Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

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We ship to all points in Illinois and Iowa.

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Out of Town orders for Hospitals
Carefully filled.

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Coates House Conservatory
1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



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D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

Of Interest to Retail Florists

NEW FLOWER STORES.

Eureka Springs, Ark.—C. I. Poor.
Pocatello, Idaho.—A. H. Lindquist,
North Main street.

Toronto, Ontario, Can.—Fred Brown,
Yonge & Richmond streets.

NEWS NOTES.

Cleveland, Ohio.—L. Warnke & Son,
florists, 3744 Woodland avenue have
sold their business.

Milwaukee, Wis.—John C. Arnold,
42 Juneau avenue will soon move to
603 East Water street.

Chicago, Ill.—An execution in favor
of the landlord recently closed the
store of R. Jahn on Dearborn street.

STEAMER DEPARTURES

Cunard.

Ivornia, Boston-Liverpool.... May 10
Mauretania, N. Y.-Liverpool... May 11
Carmania, N. Y.-Liverpool.... May 4

French.

La Bretagne, N. Y.-Havre.... May 5

Hamburg-American.

Amerika, N. Y.-Hamburg.... Apr. 30
Pres. Grant, N. Y.-Hamburg... May 4

Leyland.

Devonian, Boston-Liverpool... May 4

North German Lloyd.

Krip's Wil'm, N. Y.-Bremen May 3
Geo. Wash'g'n, N. Y.-Bremen May 5
K. Wilhelm II, N. Y.-Bremen May 10
F'drich Der G., N. Y.-Medit. Apr 30
Neckar, N. Y.-Mediterranean May 7

Red Star.

Kronland, N. Y.-Antwerp... Apr. 30
Finland, N. Y.-Antwerp.... May 7

White Star.

Cedric, N. Y.-Liverpool.... Apr. 30
Arabic, N. Y.-Liverpool.... May 7
Adriatic, N. Y.-S'hampton... May 4
Canopic, Boston-Mediterranean May 4
Zealand, Boston-Liverpool... May 3

Pittsburg, Pa.—J. B. Murdoch &
Co. have leased the building at 122
Ninth street for a term of years. They
are at present located on Penn Ave.

Chicago, Ill.—C. J. C. Houck, 533
East 47th street has sold his business
and is now with the Lakewood Ceme-
tery Association, Minneapolis, Minn.

Ogden, Utah.—B. Van der Schuit is
building a store and office; also a
cellar 22 x 34 feet for the storage of
stock. He intends to increase his
glass next season.

Rochester, N. Y.—Sixteen acres of
land have recently been purchased by
H. E. Wilson just north of this place
where he intends to grow much of his
stock. He operates two flower stores
on Main street and one on Hudson
avenue.

Cleveland, Ohio.—Smith & Feters,
735 Euclid avenue, have recently re-
organized. Frank M. Smith is presi-
dent and treasurer and will have per-
sonal supervision of all contract work.
Wm. S. Krusen is vice-president,
Louis A. Kooms, Jr., secretary, Clar-
ence Myers decorator and Timothy
Smith manager.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 39th St.

NEW YORK

Our Motto—The Golden Rule

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE BEST LETTERS

FOR THOSE
FLORISTS' MADE
USE BY THE

R

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England promptly

THOS. F. GALVIN

124 Tremont St., Boston

MATTHEWS The FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Milwaukee, Wis.

C. C. Pollworth Co.

WILL TAKE PROPER CARE OF YOUR ORDERS IN Wisconsin

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TALBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

NEWS NOTES.

Sedalia, Mo.—The Archias Floral Co. has increased its capital stock from \$5,000 to \$25,000.

Colorado Springs, Colo.—The Colorado Springs Floral Co. has purchased the Knob Hill Greenhouses and will continue the business.

New Orleans, La.—Doescher & Jones is the name of a partnership recently formed by H. C. Doescher and M. M. Jones. Mr. Jones was formerly with Quinette.

Pine Bluff, Ark.—A. A. Harper's greenhouses at 1618 E. 8th street, were demolished by the high wind which struck Pine Bluff late on the afternoon of April 11th.

Boston, Mass.—Welch Bros. have just received an importation of bay trees, standards and pyramids, which are equal if not superior to any that have been shown here, in color and contour. We asked the prices and were surprised at the low figure set upon such perfect specimens. "The world do move."

Utica, N. Y.—Peter Crowe and Henry G. Martin have formed a company which will be known as the Crowe & Martin Co. They will carry on the business conducted by Mr. Martin at 221 Genesee street. Mr. Crowe will be manager while Mr. Martin will be in charge as heretofore. They will draw their supplies from the greenhouse of Mr. Martin on Erie street as well as the fifteen rose houses of Mr. Crowe on Genesee street.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

Milwaukee, Wis.—C. C. Pollworth Co.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toledo, Ohio—George A. Heintz.

Toronto, Can.—J. H. Dunlop, 96 Young St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

PERSONAL.

Among the departing European tourists is Louis Dupuy of White-stone, N. Y.

John D. Duly is now gardener at Mrs. F. N. Anderson's estate near Newport, R. I.

W. N. Reed, of Reed & Keller, New York, sailed on a European visit on the Cincinnati, Thursday, April 28.

Phillip Murray formerly with Clark Bros. is now on the road for C. C. Morse & Co., San Francisco, Calif.

Andrew P. Petersen of South Lincoln, Mass., has taken a position with A. M. Davenport, florist, at Watertown.

George Saltford will move from his present location in West 28th street, New York, some time in the early summer.

John Mayer has taken charge of the Playter grounds at Piedmont, Calif. He was formerly gardener to M. H. De-Young, Ross Valley.

M. Mischon has accepted a position with the MacRorie, McLaren Co., San Francisco, Calif. He was formerly with J. H. Sievers Co.

Philip Breitmeyer has spent two days in Buffalo anent the funeral of his mother's sister, who had gone there only a few days previous.

F. H. Hunter is now with the May Seed Co., San Francisco, Calif. Mr. Hunter was formerly manager for the Germain Seed & Plant Co., Los Angeles, Calif.

Sedalia, Mo.—L. H. Archias, president of Archias Floral Co., accompanied by Mrs. Archias and two daughters, Elise and Edith, sail from New York, May 14th, on S. S. Konig Albert, for a three months' visit in Europe.

Anthony Weigand, Indianapolis, Ind., recently celebrated his 51st anniversary in the florist business with a theatre party at the Grand Opera House, and his 20 employees after the theatre much enjoyed a lunch and smoker at the Elks Club.

Joseph Schmidt, the oldest florist in Central Pennsylvania, celebrated his 83rd birthday at his home in Harrisburg, April 12th. Mr. Schmidt was born in Bavaria in 1827 and came to America in 1860. He came to Harrisburg in 1865. On September 6th Mr. and Mrs. Schmidt will celebrate their golden wedding anniversary.

Boston visitors: George G. A. White, representing R. M. Ward & Co.; H. Frank Darrow, New York.

Princeton, Ill.—The W. E. Trimble Greenhouse Co. is making arrangements for large additions to their plant and the contracts for the erection of two new houses are ready to be let. Last fall this company doubled the capacity of their local plant and the addition of the two proposed houses will make it one of the largest in the state. It is expected that building operations will commence right after Decoration Day as the two buildings must be completed by the first of September. The plant is under the personal supervision of W. E. Trimble the organizer.

GEO. A. HEINTZ, LEADING FLORIST,
TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

LILIES
\$12.00 per 100.
WHITE and YELLOW DAISIES
\$1.50 and \$2.00 per 100.
VALLEY
\$3.00 and \$4.00 per 100.
SWEET PEAS
75c. and \$1.00 per 100.
KILLARNEY
a large supply of extra good quality.

LEO NIESSEN CO.
WHOLESALE FLORISTS
1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

DAGGER FERNS
GALAX Bronze Green,
Highest Quality. Lowest Prices

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR
51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE

CUT FLOWERS
37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004
WINTERSON'S SEED STORE
45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.
43-35-37 Randolph St., - CHICAGO

CUT FLOWERS
Greenhouses, - Morton Grove, Ill.

Rice Brothers
115 N. 6th Street, MINNEAPOLIS, MINN.
WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO April 26	TWIN CITIES April 26	PHILA. April 26	BOSTON April 28
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 30.00	30.00 to 35.00	17.00 to 20.00	25.00 to 35.00
Extra	15.00 to 20.00	20.00 to 30.00	10.00 to 15.00	15.00 to 20.00
No. 1	10.00 to 15.00	12.00 to 20.00	8.00 to 10.00	10.00 to 15.00
Lower grades	5.00 to 10.00	8.00 to 12.00	5.00 to 8.00	3.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.	5.00 to 8.00	5.00 to 7.00	8.00 to 10.00	5.00 to 8.00
Lower grades	3.00 to 5.00	3.00 to 5.00	3.00 to 6.00	.50 to 2.00
Killarney, My Maryland, Fan, & Sp.	5.00 to 8.00	8.00 to 10.00	8.00 to 10.00	6.00 to 12.00
Lower grades	3.00 to 5.00	3.00 to 8.00	3.00 to 6.00	.50 to 2.00
Richmond, Fancy & Special	5.00 to 8.00	8.00 to 10.00	10.00 to 15.00	6.00 to 12.00
Lower grades	3.00 to 5.00	6.00 to 8.00	4.00 to 6.00	.50 to 2.00
CARNATIONS, Nov. and Fan.				
Ordinary	2.50 to 3.00	2.00 to 3.00	3.00 to 4.00	2.00 to 2.50
	1.50 to 2.00	1.50 to 2.00	1.00 to 3.00	1.00 to 1.25
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	40.00 to 50.00	40.00 to 50.00	40.00 to 60.00
Lilies	10.00 to 12.00	6.00 to 10.00	10.00 to 12.00	6.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	1.00 to 3.00
Daffodils	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
Tulips	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50
Daisies	.50 to 1.00	.75 to 1.25	1.00 to 1.50	1.00 to 2.00
Snopdragon	3.00 to 5.00	6.00 to 8.00	6.00 to 15.00	3.00 to 8.00
Hyacinths	2.00 to 4.00	2.50 to 3.50	2.00 to 3.00	2.00 to 4.00
Violets	.50 to 1.00	.50 to .75	.50 to .75	.50 to 1.00
Mignonette	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Sweet Peas	.75 to 2.00	.75 to 1.00	.50 to 1.00	.25 to 1.00
Gardenias	20.00 to 25.00	25.00 to 35.00	5.00 to 25.00	8.00 to 12.00
Adiantum	1.00 to 1.50	.75 to 1.00	.50 to 1.00	1.00 to 1.50
Smilax	10.00 to 12.00	12.00 to 15.00	25.00 to 30.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	45.00 to 60.00	50.00 to 60.00	50.00 to 60.00
" " & Sprez. (100 bchs.)	20.00 to 30.00	25.00 to 35.00	30.00 to 40.00	20.00 to 30.00

The J. M. McCullough's Sons Co.
WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

1,000,000.....\$1.75; 50,000.....\$7.50. Sample free.
For sale by dealers

FLOWERS AND GREENS!

In our **GREENS DEPARTMENT** we have Dagger and Fancy Ferns, \$1.50 per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, *Nephrolepis magnifica*; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place, Boston, Mass.

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK

Long Distance Phone Randolph 2758; Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. Roses and Carnations Our Specialty

Flower Market Reports.

BOSTON This section escaped the cold and inclemency which has had so much influence on the flower market in some other parts of the country, and affairs are running along in ordinary channels without any fluctuations worth mentioning. The supply in all lines is ample and quality is good, especially on roses. Prices are as good if not better than the average at this period in previous years. The slump usually following Easter has not been experienced this year. Lily of the valley has declined in demand as compared with last week and there is an unwieldy surplus of tulips and daffodils of outdoor growth. White carnations are selling better than the colored varieties. Gardenias are fine but the sale drags. American Beauty roses are more plentiful and show a tendency toward lower quotations. There is an abundance of small roses of all kinds. Sweet peas are in brisk demand.

Cloudy weather with a good portion of rain and snow for the past ten days had an effect to shorten the supply and put the market again in good healthy state and for the first time since Easter have the counters and coolers looked bare. Only one-third of the normal supply was had on carnation; the same with roses and other stocks and prices moving upward have cut off the bargain sign. Trade has been good on all lines. Towards the end of the week white carnations have been a little on the scarce side while plenty of colored material was had. Roses have moved better than heretofore. The demand is good for Killarney, Kaiserin, Pres. Carnot and White Killarney and the quality has never been better. Beauties shared in the demand with lily of the valley, peas and daisies. There are plenty of good lilies and callas, which have had only normal demand. Violets are nearing their end although some choice blooms were had the previous week. Out door material is coming in, but in small quantity, the rainy weather ruining a good portion of the yellow and white narcissi, etc. Asparagus in bunches is not plentiful; smilax is also a little scarce and Cro-weanum fern has helped to fill out in most cases.

Out door conditions have worked a marked change in the market. So many weeks of over-filled counters and ice boxes are followed in a day by a scarcity of stock in some lines, and in others a total absence of stock. Not an outside flower remains and the question is now not so much what one shall buy as what one can buy. A few tulips and daffodils left from the greenhouses are to be had, but the out door stock of lilacs, bridal wreath, tulips, daffodils, iris, apple blossom, etc., so crowded upon the market last week is gone. Carnations have taken a sharp rise and prices are from 50 to 75 per cent. higher. Roses remain more nearly the same in price but the demand is better, though the continued stormy weather puts business nearly to a standstill. A most unusual demand for lilies seems to have set in.

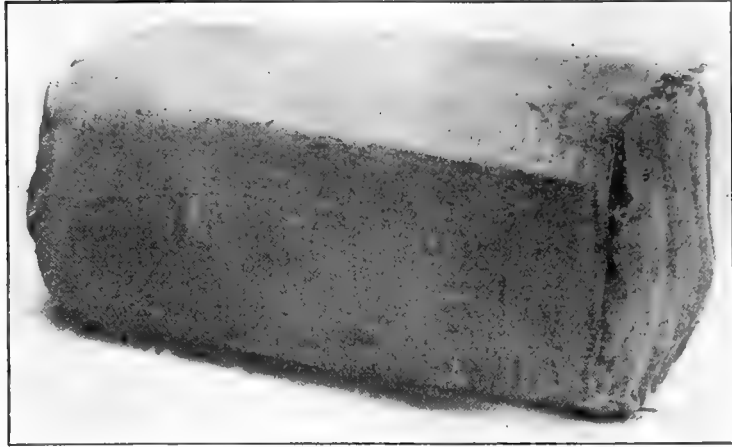
(Reports continued on page 673)



MOSS

Extraordinary offer of Sphagnum Moss. Your opportunity to buy cheap.

Having our own men in Jersey who gather and bale the moss we are in a position to make the following extraordinary low price:—



5 bbl. bale, \$2.00 per bale; 10 bales @ \$1.75
10 bbl. bale, \$3.00 per bale; 10 bales @ \$2.50

This offer good for all orders received up to May 10th only. Each bale is covered with burlap insuring cleanliness and no waste. Kindly mention this advt. when ordering.

SEASONABLE PLANT OFFERING

BOXWOODS, pot grown, imported stock, nice thrifty plants for window boxes and similar purposes, or for planting out, 35c, 75c, \$2.50 each. **CROTONS**, 5 inch pots, 50c; 4 inch pots, 25c each. **PANDANUS VEITCHI**, 6 inch pots, \$1.00 each. **CRIMSON RAMBLER ROSES**, 7 inch pots, 3 years old, well set with buds, 50c, 75c, \$1.00, \$1.50 each. **DOROTHY PERKINS and TAUSENDSCHON RAMBLERS**, well set with buds; 6 inch pots, 75c each. **GARDENIAS** for planting for next fall crop of flowers, 2 1/4 inch, \$10.00 per 100; 4 inch, \$15.00. **HINODEGIRI** (dwf. brilliant red Azalea), 7 in. pots, \$1.50, \$2.00 each; 10 in. pots \$2.50, \$3.00 each. **HYDRANGEAS**, pink, 8 in. pots, 35c, 50c, 75c, \$1.00 each; 4 year specimens, 4 ft. high, \$7.50 each.

CEDAR BARK.

Window Box time. Have you plenty of Cedar Bark? Bundles of about 25 square feet, \$1.00 each. Special price in quantity.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

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PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	April 26		April 26		April 26		April 26	
ROSES								
Am. Beauty, Fan. and Sp.....	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra.....	10.00	to 12.00	15.00	to 20.00	15.00	to 20.00	15.00	to 18.00
" No. 1.....	6.00	to 8.00	10.00	to 15.00	8.00	to 10.00	8.00	to 12.00
" Lower grades.....	2.00	to 4.00	4.00	to 10.00	2.00	to 4.00	4.00	to 6.00
Bride, 'Maid, Chateauf, F. & S....	6.00	to 8.00	6.00	to 8.00	.....	to 8.00	6.00	to 10.00
" Low. gr.....	3.00	to 4.00	3.00	to 6.00	8.00	to 6.00	2.00	to 4.00
Killarney, My Maryland, Fan. & Sp..	6.00	to 8.00	6.00	to 8.00	8.00	to 10.00	6.00	to 15.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00	3.00	to 6.00
Richmond, Fancy & Special.....	6.00	to 10.00	6.00	to 8.00	8.00	to 10.00	8.00	to 12.00
" Lower grades.....	3.00	to 4.00	3.00	to 6.00	3.00	to 5.00	4.00	to 6.00
CARNATIONS, Novelties and Fancy								
" Ordinary.....	2.00	to	1.50	to 2.00	1.00	to 2.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	60.00	to 75.00	.....	to .....	.....	to .....	.....	to 75.00
Lilies.....	10.00	to 15.00	12.50	to 15.00	6.00	to 10.00	6.00	to 10.00
Lily of the Valley.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Daffodils.....	.....	to	3.00	to	1.00	to 2.50	.75	to 1.50
Tulips.....	2.00	to 4.00	3.00	to	1.00	to 2.50	.....	to
Daisies.....	.25	to .....	.50	to 1.00	1.00	to 2.00	.75	to 1.00
Snapdragon.....	3.00	to 8.00	3.00	to 6.00	3.00	to 5.00	6.00	to 8.00
Hyacinths.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Violets.....	.....	to .....	.....	to .....	.40	to .60	.....	to
Mignonette.....	2.00	to 4.00	3.00	to 6.00	2.00	to 3.00	2.00	to 4.00
Sweet Peas.....	35	to 50	.50	to 1.00	.50	to 1.00	50	to 1.00
Gardenias.....	.....	to .....	.....	to	20.00	to 25.00	.....	to
Adiantum.....	1.00	to	1.00	to 1.50	.75	to 1.00	.75	to 1.25
Smilax.....	15.00	to	15.00	to	15.00	to 20.00	.....	to 20.00
Asparagus Plumosus, strings (100)	25.00	to 40.00	30.00	to 50.00	50.00	to 60.00	30.00	to 50.00
" " & Soren. (100 bchs.)	25.00	to	30.00	to 50.00	25.00	to 30.00	30.00	to 50.00

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist

55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463**Greater New York**
Florists' Association,
Inc.Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 758 New York
Madison Square**AUGUST MILLANG****WHOLESALE FLORIST**

41 West Twenty-Eighth Street

NEW YORK

'Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.**WHOLESALE FLORISTS**

383-387 Ellicott Street

BUFFALO, - N. Y.**REED & KELLER**

122 West 25th St., New York

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We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in

Glassware Decorative Greens and Florists' Requisites

ROBERT J. DYSART
Public Accountant and AuditorSimple methods of correct accounting
especially adapted for florists' use.**Books Balanced and Adjusted**

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28 STATE STREET, - BOSTON
Telephone, Main 58.**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR**
LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

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	Last Half of Week ending Apr. 23 1910	First Half of Week beginning Apr. 25 1910
American Beauty, Fancy and Special.....	15.00 to 20.00	15.00 to 25.00
" " Extra.....	10.00 to 15.00	8.00 to 15.00
" " No. 1.....	6.00 to 8.00	5.00 to 8.00
" " Lower Grades.....	2.00 to 4.00	1.00 to 3.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	4.00 to 6.00	4.00 to 6.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 3.00
Killarney, Fancy and Special.....	3.00 to 5.00	4.00 to 8.00
" " Lower Grades.....	1.00 to 2.00	1.00 to 3.00
Richmond, Fancy and Special.....	8.00 to 10.00	8.00 to 12.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 4.00
My Maryland.....	2.00 to 8.00	2.00 to 8.00
Carnations, Fancy and Novelties.....	2.00 to 3.00	2.00 to 3.00
" " Ordinary.....	1.00 to 1.50	1.00 to 1.50

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PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

Flower Market Reports

(Continued from page 671)

The cool weather has **CINCINNATI** shortened the supply of flowers, with the result of better average prices. American Beauties are on the short side of the market. Tea roses are in better supply, though cleaning up nicely each day, with the call for white predominating. Carnations are off crop, and there are not enough to supply the demand; naturally good shipping stock is bringing a very good price for this season and the poorer grades are sold more closely than usual, the demand for white and light colors being heaviest. Both Easter lilies and callas are selling well, with the supply just about equal to requirements. Sweet peas are also a short item and are not equal to the demand. Bulbous stock is about done for this season and another week will see its finish. Lily of the valley and marguerites are selling well. Asparagus plumosus and A. Sprengeri are in good supply, while smilax still remains a little scarce.

Last week's business **DETROIT** condition brought out some facts most peculiar for this season of the year. The amount of business transacted was below normal, due to inclement weather, which cut counter sales down very heavily. At the same time flowers brought to the wholesale houses were still less in quantity than the existing low demand called for. It must have been that all growers are off crop at one and the same time, and if that is so they are to be congratulated upon the fact that none of their product went to waste during the previous week when they had a full supply. Prospects are good for normal and better business with easy collection. Some of us are already being approached regarding decorations for the Elks' convention and good novelties will be in great demand.

Last week closed and **NEW YORK** the present week began with a very acceptable and encouraging trade activity, but as the days pass the situation assumes a less favorable aspect, due largely to the increasing receipts of material, particularly the outdoor product. Of the latter there is a big showing of bulb stock and lilacs, but more effectual in limiting the sale of greenhouse flowers for the time being are the dogwoods and the various pyruses and double-flowering cherries and almonds which the leading florists and their customers in fashionable circles joyously welcome as a change from the usual variety of material for decorative uses. There is no scarcity of choice exotic material, Cattleya Mossiae being in the lead just now. There are many fine dendrobiums, also stephanotis and anthuriums, and in lily of the valley and gardenias higher quality has never been offered. Among the staples nothing sells so well as sweet peas. The demand far exceeds the incoming supply.



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Hardy Fancy Fern Our Specialty

98-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

FLOWER GROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. **WHOLESALE FLOWERS ONLY.**

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106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr 23 1910		First Half of Week beginning Apr. 25 1910	
Cattleyas.....	35.00	to 60.00	35.00	to 60.00
Lilies.....	2.00	to 5.00	3.00	to 6.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Trumpet Narcis.....	1.50	to 2.00	1.00	to 2.00
Tulips.....	1.00	to 3.00	1.00	to 3.00
Mignonette.....	1.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bchs).....	4.00	to 6.00	6.00	to 8.00
Gardenias.....	4.00	to 12.00	4.00	to 12.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Spreng. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

Lilies are too plentiful and must be sold at low rates in quantity in order to prevent their going to waste in the wholesalers' hands. Roses and carnations are in abundance and bringing normal figures for this date.

Business contin-
PHILADELPHIA ued fairly active the past week, and

while prices still rule low there was a good clean-up so that average returns will in the main prove up in satisfactory shape. Lily of the valley was the only item in the list that could be called scarce. Weddings and other social functions called for a great deal of this, and the growers did not seem able to send in more than a normal supply. Special quality went up in many instances from four to five—and some were glad to get it even at the latter figure. All the roses are coming in of good quality, and meet with ready demand, although they have to suffer like everything else from low average prices. Marylands have pulled up very much as to grade, and are now in far better favor than they were earlier in the season. Carnations are of fine quality but a little soft on account of the advancing season, and some complaint is heard about their not keeping any too well. Violets are over. There are more orchids coming in than the market is calling for at present and prices are distinctly in buyers' favor.

Good gardenias—that is the long-stemmed perfect flowers—sell well; but the bulk of the crop is of the lower grades, and the latter are not in brisk demand. Lots of good bargains can be got in these. Snapdragon is a cheerful item, bringing more than roses in some instances.

IN BANKRUPTCY.

New York, N. Y.—Hanges & Papagelis, 258 West 116th street have filed a petition in bankruptcy with liabilities \$4,825 and assets \$30.

INCORPORATED.

Montreal, Can.—Mount Bruno Floral Co., Ltd., capital stock \$50,000.

Minot, N. Dak.—United Nursery Co., capital stock \$25,000. Incorporators, Arthur C. Hanson, George Walker, L. J. Palda, Jr. all of Minot, N. Dak.

George Saltford, wholesale florist, will remove shortly to 129 W. 25th street, New York.

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ALTERNANTHERAS

ALTERNANTHERAS.
Strong Rooted Cuttings. Per 100 Per 1000
P. Major (red)..... \$0.50 \$4.00
A. Nana (yellow)..... .50 4.00
Brilliantissima (best red)... .60 5.00
R. R. DAVIS & CO., Morrison, Ill.

AMPELOPSIS.

Ampelopsis Veitchii, fine, well rooted, one year plants, 18 to 24 in. 50 plants by mail \$2.00; 100 by express, \$3.00; 1000, \$20.00. Well graded and well packed plants in cellar. Chas. Black, Hightstown, N. J.

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Asparagus Sprengerii.
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Asparagus plumosus nanus from 3 inch pots at \$5.00 per 100, \$45.00 per 1,000. Cash with orders. Floral Hill Gardens, G. F. Neipp, prop., Chatham, N. J.
Asparagus Sprengerii, \$15.00 and Plumosus, \$25.00 per 1000. Albert M. Herr, Lancaster, Pa.

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Hardy and tender Nymphaeas, all classes. Choice assortment of aquatic plants, eulalias, etc. Prices on application. Edw. S. Schmid, 712 12 St. N. W., Washington, D. C.

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Edward Wallis, Atco, N. J.
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Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

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Box Trees all sizes. Ask for special list. Julius Roehrs, Rutherford, N. J.

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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Canna roots. Souvenir de A. Crozy, Egandale, Queen Charlotte. A. Bouvier, \$2.00 per 100; \$18.00 per 1000. Cash, please. J. Ambacher, West End, N. J.
CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

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Rooted Cuttings.
CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

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Alphonse Pericat, Collingdale, Pa.
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Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.
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WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.
PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.
YELLOW—Golden Glow (very early), M. Ronnaffon, Y. Eaton, Cremona, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list.
Wm. Swayne, Box 215, Kennet Sq., Pa.

Gloria, a large early Enchantress pink mum; Pres. Taft, a huge glittering white midseason; both have stems and foliage unsurpassed. Rooted cuttings prepaid: Taft, 25 \$1.00, 100 \$3.75; Gloria, \$2.50 per 100, 2½ inch, \$3.50. Chas. Frost, Kenilworth, N. J.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Nonin, Polly Rose, Ivory and Yellow Bonaffon, \$7.50 per 1,000. Yellow Jones, Amonta, White Jones, Minnie Bailey and Gen. Vivien \$10.00 per 1,000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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300 Cinerarias, 3½ in., budded, nice plants, ready for 5 in.; nice mixture, 8c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

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Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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OL Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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Cyclamens—finest stock—in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs, Rutherford, N. J.

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Peacock Dahlia Farms, Williamstown Junction, N. J.
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Dahlia Bulbs, all varieties listed below 5c. each, 50c. per doz., \$4 per 100.
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Above stock is field-grown, sound and true to name. Catalog free to all. C. Peirce, Dighton, Mass.

Dahlias—Six novelties of the highest grade—Corona, Charles Clayton, W. K. Jewett, Manilton, Princess Yelive, The Baron; other novelties and the best of standard varieties true to name. Prices reasonable and fair treatment guaranteed. Hollyhocks and other hardy plants. Send for catalog. W. W. Wilmore, Box 382, Denver, Colo.

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Dahlias. C. W. Bruton, good yellow, and Sylvia, long stemmed pink. Either field clumps or divided. Write for prices. E. E. Stewart, Rives Junction, Mich.

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400 Marguerite Daisies, large white, large branchy plants, from 3 in., ready for 5 in. or bench. Just right for Memorial Day; well budded, 5c. Cash. W. J. Schoonman, Danielson, Conn.

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Dracena indivisa, one year, bench grown, transplanted, well rooted stock, \$1.50 per 100; \$12.00 per 1000. Cash. E. Fryer, Johnstown, Pa.

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1000 Boston Ferns, 2 in. pots, 3c.; \$25.00 for the lot, or will exchange for Nutt geraniums, White Perfection, Enchantress and Winsor carnation. E. A. Chipman, Woonsocket, R. I.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Evergreen Brand Fertilizer.

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Feverfew R. C. 75c 100 prepaid. Chas. Frost, Kenilworth, N. J.

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Immortelle Letters.

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Rosens, 48 West 29th St., New York City.

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Chiffon, Gauze Edge, etc.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.

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John McKenzie, North Cambridge, Mass.

For page see List of Advertisers.

Thousands of Geraniums, mixed, all double; 2½ in., \$2.50 per 100; 3 in., \$4.00 per 100. Mme. Sallerol, out of 2-inch, fine plants, \$2.00 per 100. Verbenas, out of 2-inch, separate colors or mixed, \$2.00 per 100. Salvia, in 2½-inch pots, \$2.50 per 100. Seedling Verbenas, five separate colors, or mixed, \$10.00 per 1000. Asters, eight colors, separate or mixed, \$7.00 per 1000. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbrer, 6417 Carnegie Ave., Cleveland, O.

Geraniums. Fine strong plants from 2½ in. pots, ready to shift; Al. Ricard \$2.50 per 100, \$24.00 per 1000. Gen. Grant \$2.00 per 100, \$18.00 per 1000. Jas. Ambacher, West End, N. J.

Geraniums S. A. Nutt, strong, 3-inch stock, \$4.00 per 100. O. B. Kenrick, 52 Alexander Ave., Belmont, Mass.

Geraniums. rooted cuttings of Riccard, Poitevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

GLADIOLI

E. S. Miller, Wading River, L. I., N. Y.

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O. V. Zangen, Hoboken, N. J.

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GLADIOLUS BULBS IN MIXTURE.

Second size, \$10.00 per 1000; third size, \$8.00 per 1000; fourth size (good planting stock), \$5.00 per 1000. This is one of the finest mixtures ever offered. Frank Banning, Kiusman, Ohio, Originator of America and Niagara.

Gladioli. Groff's Hybrids. White light and yellow mixture. Pink and shades of pink mixture. All first sized bulbs, at \$1 per 100, \$7 per 1000. C. Peirce, Dighton, Mass.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

In writing to Advertisers kindly mention Horticulture

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 28-30 Sudbury St., Boston.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,

1133 Broadway, New York.

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Pecky Cypress for Benches.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

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Hitchings & Co., 1170 Broadway, N. Y.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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Hitchings & Co., 1170 Broadway, N. Y.

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HELIOTROPES.

Heliotrope R. C., prepaid, 75c. per 100.

Chas. Frost, Kenilworth, N. J.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

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HOLLYHOCKS

Hollyhocks, double, in separate colors—out of 4 in. pots—extra heavy and healthy.

Price \$8.00 per hundred. A. L. Miller, Florist and Nurseryman, Jamaica Ave. opp. Schenck Ave., Brooklyn, N. Y.

HOSE

Henry A. Dreer, Philadelphia, Pa.

Garden Hose.

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Parshelsky Bros., Brooklyn, N. Y.

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HYDRANGEAS

Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2½-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

Hydrangea Otaksa, very strong, rooted cuttings, ready for 3 in. pots, \$2 per 100. Strong 3 in. pot plants, \$4 per 100. F. J. Langenbach, Florist, Norwich, Conn.

INSECTICIDES.

Nicotide kills all greenhouse pests.

P. R. Palethrope Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Killdead Tobacco Dust.

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Scalecide.

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Aphine.

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Eastern Chemical Co., Boston, Mass.

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To-Bak-Ine Products.

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E. S. Miller, Wading River, N. Y.

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IRIS—The very best out of 500 sorts.

C. Betscher, Canal Dover, O.

IRON VASES

Walbridge & Co., Buffalo, N. Y.

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Home-Grown, Established Plants.

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Home Correspondence School, Springfield,

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LEMON VERBENAS

R. Vincent, Jr. & Sons Co.,

Whitemarsh, Md.

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Lemon verberna rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

LILIES

E. S. Miller, Wading River, N. Y.

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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede

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NICO-FUME

Kentucky Tobacco Product Co.,

Louisville, Ky.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.

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Nursery and Florists' Products.

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Dingee & Conard Co., West Grove, Pa.

Ornamental Shrubs.

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Maurice J. Brinton, Christiansa, Pa.

Norway Spruce.

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Manual of the Trees of North America,

by C. S. Sargent, mailed to your address

for \$6.00, by Horticulture Publishing Co.,

11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

OLD ENGLISH GLAZING PUTTY

Hammond's Paint & Slug Shot Works,

Fishkill-on-Hudson, N. Y.

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ONION SETS

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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ORCHID PLANTS — Continued

G. L. Freeman, Fall River, Mass.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Koehrs, Rutherford, N. J.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

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John Scott, Brooklyn, N. Y.

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A. N. Pierson, Cromwell, Conn.

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PANSY PLANTS.

Ready now. 250,000 fine large fall transplanted Pansies in bud and bloom. Superb strain, the finest market strain grown. A trial order will convince you that these are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10.00 per 1000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

Pansy plants, Kenilworth strain, from fall sown seed, 50c. 100 prepaid; large, \$1.00, \$3.00 and \$8.00 per 1000 by express; extra large, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

Pansies, fall transplanted, best mixed Glants, stocky plants, \$1.00 per 100; \$10.00 per 1000. Cash with order. Brown Bros., 904 S. Broad St., Carlinville, Ill.

Pansy plants—choice, fancy, large plants in bud and flower, \$8.00 per 1000. Union Gardens, Amherst, Mass.

5000 Pansies, 2 inch pots. Write Locust Street Greenhouses, Oxford, Pa.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.

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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

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PELARGONIUMS

200 Pelargoniums, 4 in., large plants, mostly budded, good variety, 10c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

Double Petunias.

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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PHLOXES

Annual Phlox nana compacta, Fire Ball, red, very dwarf blooms when 2½ in. high. Transplanted seedlings, 60c. per 100; \$5.00 per 1,000, by mail prepaid. P. Pearson, 1725 N. Campbell Ave., Chicago, Ill.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Buxton Doane Co., 13 Midway St., Boston.

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Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Henry A. Dreer, Philadelphia, Pa.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIVET

West Jersey Nursery Co., Bridgeton, N. J. California Privet.

George C. Watson, Philadelphia, Pa.

Golden Privet.

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Crimson Rambler.

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Grafted Roses.

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New Dawson Rambler Roses.

F. R. Pierson Co.,

Hardy Field-Grown Roses.

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Ellwanger & Barry, Rochester, N. Y.

Pink Climbing Rose.

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Arthur T. Boddington, New York, N. Y.
Hardy Climbers.

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The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SALVIA

Salvia splendens and Bonfire transplanted seedlings. Prepaid 75c. per 100. Chas. Frost, Kenilworth, N. J.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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Wanted—Contract to grow aster, cabbage, tomato plants, etc.; seedlings or transplanted. Write me what you need and I will give you prices. P. Pearson, 1725 N. Campbell Ave., Chicago, Ill.

SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
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SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.

SOUTHERN SMILAX

Louisville Floral Co., Louisville, Ala.
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SPHAGNUM MOSS

Sphagnum moss, best quality, 80c. per bale; 10 bales, \$7.00. Cash with order. Write for prices on larger quantities. L. Amundson & Son, City Point, Wis.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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STEVIA

Stevia rooted cuttings, 75c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

In writing to Advertisers kindly mention Horticulture

STRAWBERRY PLANTS

The best standard and new varieties. Catalogue free. Lake View Nursery, Poy Sippi, Wis.

Strawberry Plants and Asparagus Roots. All the leading varieties, and at prices that are right. Catalog free. C. Peirce, Dighton, Mass.

STROKUM TREE BINDING

George Stratford Oakum Co., Jersey City, N. J.
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VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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Strong 2-yr. field-grown Palmetto asparagus roots, \$1.00 per 100; \$4.00 per 1000. Russell Bros., Syracuse, N. Y.

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The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLET THREAD

John C. Meyer & Co., Lowell, Mass.
Green Silkline.

WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, La.

WILD SMILAX

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Southern Wild Smilax.
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Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

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SPHAGNUM MOSS, BOXWOODS, CROTONS, ETC.

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King Construction Co., North Tonawanda, N. Y.
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WHITE ENAMELED VASES.

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Do You Know What You Want?

Look in the "Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—A man for an up-to-date commercial establishment. Must be competent to grow roses, carnations, chrysanthemums and pot plants. Good wages and permanent position to right man. Apply to Mr. Murray, at Schlegel & Fottler Co., 26 South Market St., Boston.

WANTED—Young man who thoroughly understands Orchids, and with experience with Sweet Peas, Carnations and Garden Stuffs. Write giving full particulars as to experience to the Altimo Culture Co., Canfield, Ohio.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

FOR SALE

GREENHOUSE FOR SALE—Built for private estate. In excellent condition. Length 78 ft., width 36 ft., including forcing house in rear. Size of glass 16 x 24. Height front, 4 ft. 6 in.; centre, 9 ft. 6 in.; rear, 7 ft. 2 in. Allen Improved Steam Boiler. 2300 running ft. of piping. Price, etc., P. O. Box 81, Providence, R. I.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

SITUATIONS WANTED

GARDENER—Landscape and floriculturist, has talent and fondness for his profession; competent to take charge of large estate; Swiss, 37 years of age; married; two children; wages \$70 and house. S. A. Leuba, 47 West 129th St., N. Y. City.

HEAD WORKING GARDENER, English, wants situation. Thoroughly experienced in all branches; would take a good single handed place. Married, age 35, no family. Apply, Benjamin Disley, 425 West 13th St., Oklahoma City.

WANTED—Good private place by experienced German gardener; age 52; married; two children; 11 years in Europe, 8 years in U. S.; has also had commercial experience. First class references. F. F., care HORTICULTURE, 9th and Market Sts., Philadelphia.

tain stock, mating and hatching, and the proper and requisite provision for the successful rearing of these valuable and interesting additions to the food supply of the nation.

The seventeen illustrations make very clear the descriptive text, presenting actual conditions at the Illinois State Game Farm, the New Jersey Preserve and the Preserve on Long Island, besides showing pictures of ten species, and photographs of coops, rearing fields, breeding pens, and runways.

Copies of these publications may be obtained upon application to Senators, Representatives, or Delegates in Congress; to the U. S. Department of Agriculture; or to the Superintendent of Documents, Government Printing Office, Washington, D. C., who has them for sale at five cents per copy.

JOHN A. ARNOLD,
Editor and Chief Division of Publications, U. S. Dept. of Agriculture.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street,
LONG ISLAND CITY, N. Y.**
**A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.**
**452-460 No. Branch St.,
CHICAGO, ILL.**

APPLE SCAB AND HOW TO CONTROL IT.

By Errett Wallace, Fellow.

The abnormally warm weather of April has started the apple buds much sooner than we had expected. If this continues it means that you must be ready to give the first application of spray very soon. The most important things to know are:

First, the proper time for such application. This must be determined by watching the fruit buds and the weather. Dates cannot be given. The first application should be made before the first rain after the blossom buds have been exposed, but before they have opened; the second after two-thirds of the petals have fallen, being sure to get the mixture on ahead of the rain, and the third about two weeks later. A fourth may sometimes be necessary, nine weeks after blossoms fall. Watch the fruit buds

and the weather: **SPRAY BEFORE RAIN, NOT AFTER.**

Second in importance is thoroughness. Remember that fungous infection can be prevented only where the surface of the young forming fruit and leaves are actually coated with the spray. Spraying from one side with the wind can therefore, at best, only protect one side of each apple.

Third, the spray used has in the past, almost universally been Bordeaux mixture for the fungi, combined with an arsenical for the codling moth and other insects. A 3-4-50 formula with two pounds arsenate of lead to each 50 gallons of the Bordeaux is efficient. Concentrated lime sulfur solution (properly diluted) with arsenate of lead added has been used very successfully during the past season by a number of investigators and the spray injury or russetting of fruit which frequently follows the application of bordeaux was in all cases entirely avoided. A concentrate testing about 32 degrees Baume should be diluted about 1-30 or 1-35 according to our present knowledge and two pounds of lead arsenate should be added to each 50 gallons. Do not use lime sulfur stronger than indicated above on the foliage. Do not use arsenite of lime, paris green or any other poison except arsenate of lead with lime sulfur solution on foliage, since there is much danger of burning with the former while the arsenate of lead has been fully used in this way during the past three seasons.

To the Apple Grower:

These spraying directions have been prepared by Mr. Wallace, the expert in our department who is conducting the investigations on lime sulfur as a summer spray. These directions are, we believe, the most accurate and up-to-date that can be given for the control of Apple Scab. We shall be glad to answer any questions we can on this subject. Address all inquiries to

H. H. WHETZEL, Pathologist,
Department of Plant Pathology,
New York State College of
Agriculture, Ithaca, N. Y.

Please find enclosed one dollar to renew subscription for your valuable paper HORTICULTURE which every person interested in plants should read and they will find more than one dollar of information in any one copy.

JOHN GERARD,
New Britain, Conn.

Hawley Cemetery Vase



The Hawley Glass Cemetery Vase.—flared top, 5 1/2 inches in diameter, 9 inches deep, inside measure, with a 3 inch spike. Price \$2.00 a dozen

Heavy Tin Lawn or Cemetery Vase. No. 1 in both green and white enamel, 6 1/2 inches deep and four inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6 1/2 inches deep 3 1/2 inches diameter and a four inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Also, Stone Cemetery Vases in blue only. These are 6 1/2 inches deep, 4 1/2 inches in diameter with a four inch spike. Price \$1.50 per dozen.

**N. F. MCCARTHY
& CO.,**

84 Hawley Street
BOSTON, MASS.

IRON VASES



Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thousands in use.

Over 100 styles and sizes
\$3.00 to \$75.00 each

Write for price list to
WALBRIDGE & CO.
BUFFALO, N. Y.

Hunt's Spiked Cemetery Vase

Beautiful Clear Crystal Glass, heavy to stand hard usage, 4 1/2 inch diameter and 9 inch deep. Each 20 cents, \$1.40 dozen, 5 dozen (1 bar. el) \$6.25. White Enamel Lawn or Cemetery Vase. Made of heavy Tin Sheetting, Enamelled White.

No. 1—4 1/2 x 6 3/4 inches. 20 cents each, \$2.00 per dozen
No. 2—3 1/2 x 6 3/4 " 15 " 1.60 per dozen

E. H. Hunt, 76-78 Wabash Avenue, Chicago

Oneonto, N. Y.—The Delaware & Hudson Co. have planted two acres of land with acorns with the intention of starting a nursery for the purpose of transplanting oaks in the Adirondacks.



DREER'S
Florist specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
5/8-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
3/4-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 1/2 " " " 5.25	120 7 " " " 4.00
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crate \$3.60
456 4 1/2 " " " 5.24	48 10 " " " 4.80
320 5 " " " 4.51	24 12 " " " 4.80
210 5 1/2 " " " 3.78	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Reiker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

All The Clay for our Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

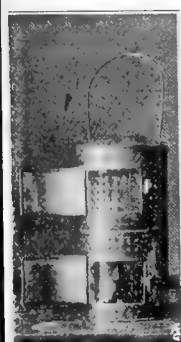
THE PETERS & REED POTTERY CO., Zanesville, Ohio

CLAY'S

For Fertilizing the Soil

56 lb. \$3.25

WM. ELLIOTT & SONS,
42 Vesey St., New York.



**THIS
KILLS
MILDEW
EVERY
TIME**

FOR PARTICULARS WRITE
Benjamin Dorrance
ROSE GROWERS
Dorranceton, Penna.

IMP PLANT FOOD

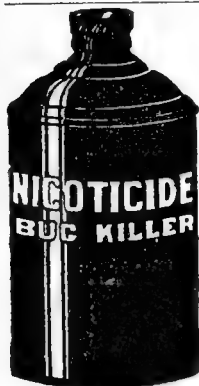
Highest Ever Analyzed

For trade only

7 lb. Box \$1.25

EASTERN CHEMICAL CO.

Pittsburg Street, Boston.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P.R. Palethorpe Co.
OWENSBORO, KY.

Best for Garden Spraying



In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection, window and carriage washing; wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps

Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Expert Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

Strokum Stops Caterpillars

Bind it around your trees; they cannot crawl under or over it. If put on now, you can control both the caterpillars and tussock moths.

Strokum is easy to apply. Guaranteed not to harm trees. Is not unsightly; birds do not carry it off, will last an entire season. Delivered free anywhere East of the Mississippi; 50c. extra West of it.

Put it on at once. Every caterpillar that goes up your tree means hundreds more later on. Send for booklet.



George Stratford Oakum Co.

164 Cornelson Avenue. JERSEY CITY, N. J.

Immediately Available Plant Food

EVERGREEN BRAND FLOWER FERTILIZER

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

D. D. Johnson, 64-66 Wabash Ave., Chicago.

Write for further information

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

KILMDEAD



25 lbs., \$1.00 100 lbs., \$ 9.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., \$2.50
Stump & Walter Co. 50 Barclay St., New York.

Thomson's Vine and Plant MANURE

Imported from Clovenford, Scotland

Indispensable for the highest results in Vine and Plant Culture

56 pound bag \$3.00
Two bags - 5.75

HOSEA WATERER, Seedsman,
107-109 So. 7th St. Philadelphia

PRATT'S SCALECIDE

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

In ordering goods please add "I saw it in HORTICULTURE."

GREENHOUSES BUILDING OR CONTEMPLATED.

Loomis, Calif.—B. H. Bassett, addition.

Oak Lawn, R. I.—Joseph Kepelman, one house.

Poughkeepsie, N. Y.—William Bock, violet house 27 x 200 feet.

Syracuse, N. Y.—Leonard McDaniel, Orchard Road, one house.

Stege, Calif.—Saito Co., three carnation houses, each 35 x 200 feet.

San Francisco, Calif.—J. R. Sievers Co., Polk street, one orchid house.

Princeton, Ill.—W. E. Trimble Greenhouse Co., two houses each 30 x 200 feet.

Reading, Pa.—Steabenow Bros., one house and salesroom, 12th & Exeter streets.

Waverley, Mass.—Edgar Bros., one house 43 x 200 feet for sweet peas and mignonette.

Carthage, Mo.—Fairview Greenhouses, East 13th street, two houses, 28 x 390 feet.

Philadelphia, Pa.—Didden & Sons, two houses 30 x 200 feet each, King Construction.

TREES IN DEMAND.

We learn from the Williamsport Sun that the State Forestry Department is pushing so vigorously its work of tree planting on the barren lands of the State reservations that it has no seedlings to spare for other tree planters. The act of 1909 contemplated the sale of seedlings from the State nurseries at cost to private purchasers. If there be a demand beyond supply it would indicate a satisfactory waking up on the part of owners of unproductive cleared land to the utility of reforestation. It should also spur effort on the part of the State to increase the area of its nurseries. There cannot be too much done in the way of restoring our forests.—*Phila. Record.*

NEWS NOTES.

Lafayette, Ind.—Owing to ill health, H. Roth will postpone building his greenhouse until later.

Poughkeepsie, N. Y.—Mitchell's greenhouse, Winnikee avenue, were damaged by fire to the extent of \$1,000.

Toppenish, Wash.—The Washington Nursery Co. has just completed planting 300 acres of nursery stock.

Dayton, Ohio.—The Heiss Floral Co. has been awarded the contract for supplying the flowers for the parks this season.

New Orleans, La.—Charles Farley intends to establish a nursery on a large piece of ground recently secured in Gentilly Terrace.

East Huntsville, Ala.—The heaviest storm of the year on April 15th broke 10,000 lights of glass in the greenhouse of John T. Fisher; loss \$3,000.

Fulton, Ill.—The Riverside Nursery Co. is to be established here by John Newendyke and E. J. Thompson. Their specialty will be fruit trees.

Newport, R. I.—A large tract of land here has been leased by E. Kem-

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

GLASS

**IF IN NEED OF ANY
WHY HESITATE ABOUT BUYING?
PERHAPS YOU PREFER TO PAY MORE.
DO NOT BE MISTAKEN, BUY NOW.**

Sharp, Partridge & Co., Chicago, Ill.

BOSTON PLATE & WINDOW GLASS CO.

GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

penaar of the firm of Bulk & Kempenaar of Boskoop, Holland. They will grow nursery stock.

New London, Wis.—Ole Guelson will do business here under the name of the Guelson Floral Co. The plant consists of four greenhouses each 22 x 100 feet with a 60 H. P. boiler plant; 60 acres of land are cultivated.

PATENTS GRANTED.

- 955,164. Plant Carrier. Ellsworth E. Husted, Newport, N. J.
- 955,261. Attachment for Lawn Mowers. Stephen W. Gooding, Los Angeles, Cal.
- 955,644. Flower Pot and Jacket for the Same. Gerson Hershkovitz, New York, N. Y.
- 955,663. Pipe-Coupling. John R. Morris, Cobb, Fla.
- 955,828. Pipe Coupling. Millard F. Richardson, Kalamazoo, Mich.; Mary A. Richardson, administratrix of said Millard F. Richardson, deceased.

MASTICA


FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Holds Glass Firmly
See the Point 

FULL SIZE No 2

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St. Phila., Pa.



GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

Advance Ventilating Machines



Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

The Advance Co.

RICHMOND, IND.

PATENTS

Trademarks and Copyrights

Send your business direct to Washington Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

In ordering goods please add "I saw it in HORTICULTURE."

EXTRA BENCH ROOM



At this time of the year the capacity of every Greenhouse is taxed to its limit. Bench room is the one important feature to consider. Remember how well our

SHELF BRACKETS

will relieve this situation, and save time, trouble and room. The lightest, strongest, and most durable on the market. Made for $\frac{3}{4}$ in. to 2 in. Pipe.

NET PRICES

12 in. Single, 18c. Each. 8 in. Single, 14c. Each. 8 in. Double, 20c. Each.

Remit small amounts in stamps or money order

Please mention size of pipe post when ordering.

KING IRON FRAME GREENHOUSES

are still leading, and if you "ask the man who has one" you will know why.

Send for Bulletin No. 26 Describing Valley Gutter.

Address Lock Box 623-E

KING CONSTRUCTION CO., - N. Tonawanda, N. Y.

KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space In Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE.

KROESCHELL BROS. CO.
466 Erie St., CHICAGO, ILL.

Write to us about your
Material and Plans
for any size and style of

GREENHOUSE

for new structure or repairs.

Hot Bed Sash

In stock or any size required.

Pecky Cypress Benches
most lasting and least expensive.

The Foley Mfg. Co.

Western Ave. and 26th St.

CHICAGO, - - ILL.

GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.
117 E. Blackhawk St., CHICAGO.

In ordering goods please add "I saw
it in HORTICULTURE."

Had you any trouble with the MARCH WIND coming through crack or crevice in the Greenhouse?

TWEMLOW'S

Old English



Glazing Putty

SEMI-LIQUID

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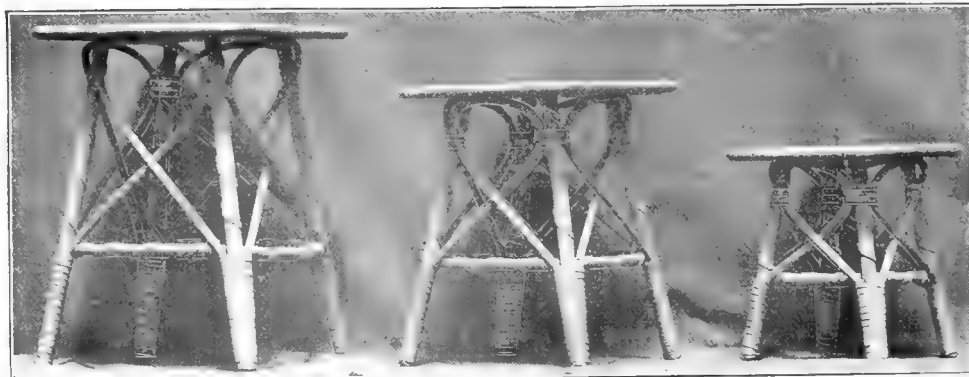
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DAHLIAS Every Day In the Year

Achimenes

Among the summer flowering greenhouse plants the genus *Achimenes* deserves a prominent place. They are both useful and decorative. It is possible to make fine centre pieces with the cut blooms, using one variety alone or blending various colors together in a harmonious manner. If allowed to hang evenly around the edge of a shallow pan, or a small basket, they also make a nice hanging plant. In fact, no matter how they are used in decorative work either as plants or flowers the quaint shape, fine markings and brilliant coloring always excite admiration. The genus is large, there being over twenty species known to botanists, all natives of tropical America. Horticulturists, however, are more familiar with the hybrid forms, which are said to even surpass the species in beauty, and are getting to be innumerable.

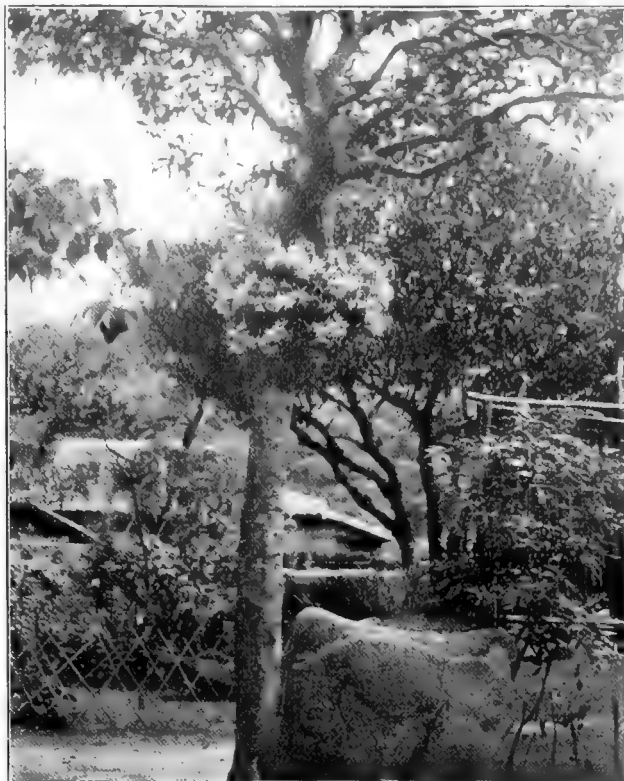
Achimenes are grown from tubercles which should be planted separately in some finely sifted sphagnum moss, and kept moist until the shoots are about two inches high when they may be transferred to the pots, pans or baskets they are to be grown in. A temperature of sixty-five degrees should be maintained all the time they are growing. The compost should be equal parts of fibrous loam, flaky leaves, and dried cow manure, with plenty of finely broken charcoal to keep the whole sweet and open. The receptacles should be well drained with crocks, covering them with some of the roughest of the potting material. Fill the pots or pans to within half an inch of the top with the compost, and do not press too firmly. The started shoots with the tuber attached should be pricked in, say at the rate of ten to a six-inch pot, taking care to have them all of uniform growth, as that is the advantage to be gained by starting them before potting. After potting has been completed, place them as near the glass as possible shading from the sun, as the foliage is easily scorched, water carefully until they are growing vigorously and syringe lightly morning and evening. After they are well rooted in the compost, manure water may be given occasionally, and the shoots should get one pinching. When the plants get so that they are liable to fall over, they should be staked neatly, with thin twigs, and after they begin to flower they should be kept as airy as possible. When they have finished flowering, water should be gradually withheld, until the shoots decay, when they may be placed in some dry, warm corner until the following spring.

Varieties can be increased by cuttings, leaves, or scales from the corms. The cuttings may be rooted in the ordinary way, and the leaves like a begonia leaf. The scales should be sown like fine seed in a rather leafy soil. A selection of desirable varieties may be had from any good nurseryman, who caters to the greenhouse trade. Colors are usually given in their plant lists, and one can select at pleasure. As I said above, varieties are getting to be legion and, as is usual in such a case, the same variety may go by different names.

George F. Stewart.

West Medford, Mass.

Dendrobium Japonicum



In full bloom, growing naturally on a tree at South Island, Japan.
Photo by H. Suzuki.

Here's Your Chance

Don't miss the SPECIAL ORCHID number of *Horticulture*, to be issued on MAY 21, 1910.

It will be a beautiful edition with cover of special design and its contents will comprise articles from the pens of some of the most noted orchid specialists. Extra copies will be published and distributed among the professional visitors to the great ORCHID SHOW which opens at Boston on May 29.

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HORTICULTURE

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NO. 19

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dignity and rugged beauty. But when it comes to crops and the commercial value of their yield, their usefulness is past, they have done their duty. Much has been said about the decadence of fruit growing in certain New England districts. Is it not a fact that the fruit industry of these older sections has depended too much on the time-honored denizens of orchards planted by a past generation and left to shape themselves at random and to hunt for their food as best they could? The new race of fruit growers in the far West whose products are making a sensation in the markets of the world are not doing things that way and if the eastern grower is to compete he must adopt and practice modern cultural methods. And the man who applies himself to it will find there is a lot to be learned.

Valuable assets

Our weekly news notes from now on will tell of the departure of many members of the craft for foreign shores, some on business bent, others to enjoy the recreation to which a well-spent year has entitled them. All will come home, however, benefited in mind and body, better fitted to take up the worries and responsibilities of the coming year's business, more thoroughly equipped to outstrip their slow-going fellows who never go out to see what others are doing and never realize that in the race for honor and affluence they are falling hopelessly behind. A business man can make no better use of a few days or weeks in the slack season and no more profitable investment of a few dollars than to get out among those who are engaged in the same line of work as himself—if not to Europe, then to places less remote, to S. A. F. conventions, to exhibitions—anywhere that will bring him in contact with the active, intelligent and ambitious element in the business which he follows. Wide acquaintance with people and conditions and extended publicity through the use of the many mediums and methods now at command, constitute a big asset for any business undertaking today.

Some problems of the day

Speaking of the waning demand for greenhouse flowers and floral decorations which sets in earlier and earlier every spring and the later resumption of activity in fall, a prominent florist in a metropolitan centre attributed this disquieting condition to the growing popularity of country surroundings and outdoor pastimes. The tendency of today is certainly back to outdoor life and the florist or anyone else whose strong suit lies in the social stir of indoor gaiety must suffer in consequence. The logical course under these circumstances, and one which would promptly be adopted by most of the active industries, would be to take counsel together as to what the flower grower and flower dealer can do to adapt his business to these conditions as they develop. Here is but one of many vital problems that are pressing for consideration by the florist trade at the present time but which they have thus far shown little disposition to study with a view to solution. Wholesale dealers, retailers and—to a much greater extent—the growers, all have much at stake. As we have before remarked, production has now, for the greater portion of the year, far outstripped the business end of the florist trade in the more advanced centres and, as in the retrogression above noted, each year sees the embarrassment grow greater. Yet it is hardly in line with present day commercial activity to accept these conditions as beyond remedy. The policy of letting things alone is likely to prove a pretty expensive one in the long run.

The apple industry
On another page of this issue will be seen the picture of a patriarchal apple tree, estimated to be between two and three centuries old. We like to see these venerable relics of the past cherished and cared for. They give character to the scenery; we are impressed with their

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Annuals.

All annuals that are in the house or frames should be thoroughly hardened off before they are transferred to the open ground. This is as important as anything now to be done. Those that are in the houses should be transferred to frames and gradually inured and those that are in frames will be benefited if the sashes are left off entirely for a while previous to setting them out. When the seeds are sown in the open ground, the soil should be thoroughly and finely worked and enriched by some fine well-rotted manure. These preparations of the soil should be particularly well carried out where fine seeds are to be sown. The grower who wants annuals on a large scale should sow them in drills 15 or 18 inches apart so they can be worked with the hand cultivator. As soon as the seedlings have developed their second leaves they should be thinned.

Bay Trees.

Bay trees want an abundance of water from now until the autumn. In order to keep them in splendid form they should be cut into shape in the spring just before the new growth starts and then the young growths pinched back as they develop. About every three or four years they will need more root room and some good new soil, but they should be kept in as small tubs as possible. During the summer they should be set out in some convenient place where the hose can be used on them freely. They will also be greatly helped by the application of some liquid manure during the summer months, for the health and vigor of bay trees depends greatly on the good care they have during the hot weather. The tubs, where convenient, should be plunged in order to protect the roots from drying out. The bay can endure a few degrees of frost so the trees may be placed outdoors any time now.

Epacris.

Epacris that have been cut back will soon make new growth. When these are about a half inch is a good time to do any potting that may be required. The same soil as recommended for ericas will do for these plants. The soil around the ball should be well firmed. For a week or ten days after potting, a somewhat closer atmosphere should be kept to assist the plants in making a new start. Frequent syringing is essential, but over-watering, especially if practiced right after potting, is sure to work mischief, and great care must be taken not to overdo it at any time. As the plants progress more air should be admitted, till they go to their outdoor quarters. About the middle of June is a good time to plunge outside. When removed too early to the open ground there is danger of their being struck by a spell of belated cold and clammy weather, which is bound to do them harm, in spite of the very best of treatment during the balance of the year. In their flowering season they will stand full sun and do well in about 45 to 50 degrees in the winter time.

Cymbidiums.

There are some very handsome species in this genus. When once well

HAARLEM JUBILEE SHOW.



Group of Hyacinths and Lilac Blooms.

The accompanying picture together with the cover illustration give a partial idea of the features of the great Jubilee Show now in progress at Haarlem.

Mr. R. Vincent, Jr., who is visiting the exhibition, in a letter just received tells us that the display is very fine, inside and out. He says:

"As you enter the main gate, there is a splendid exhibit of holly. Plants from 4¼ to 6 feet high, full of berries of the variety *Ilex laevigatapolycarpa*, one of the best for exportation. Near the entrance is a large plateau laid out in pleasing arrangements of beds of various colors mostly hyacinths with here and there clumps of crown imperials. On the side beds, somewhat raised are clumps of rhododendron the whole surrounded by forest trees of splendid growth in their young spring verdure adding lustre to the bright hue of the many thousand flowers of tulips, hyacinths, etc. These beds are decorated here

and there with box, trimmed in various shapes, adding still further beauty and novelty to the scene. The variety of hyacinths used are Mdme. Van der Hoop, white; Rio des Belges, red; Yellow Hammer, Gertrude, red, and Queen of the Blues.

"The exhibition halls are beautifully arranged with a full variety of spring flowers, comprising a large exhibit of hydrangeas, azaleas, lilacs, amaryllis, cyclamen, and cineraria, the finest in white and blue that I have ever seen. There is also one large collection of narcissi of over 200 varieties, a great many of them new seedlings, especially of the trumpet varieties, very large and fine, when compared with the older varieties, showing great advancement in this easy grown and popular flower.

"We visited in a body yesterday the grounds where 100 years ago the best of the then-known tulips originated and where the great boom was started in their growing. The miniature rose exhibit is very fine."

established, cymbidiums are not difficult to grow. They succeed best when cultivated in pots, in a mixture of chopped peat, sod and sphagnum. In potting an important point for consideration is drainage. This must be thorough. If the drainage is defective the roots are sure to decay and the leaves shrivel. Those requiring new material, repotting, etc., should obtain it as soon as the flowering season is past. They must never be thoroughly dried out, especially the thin-leaved kinds, as then they are liable to lose many of their leaves. It is very annoying to find some plants continually getting into bad condition, but it will often prove that the trouble lies in the quantity of water supplied at the root, or that the atmosphere is either too dry or too wet. Cymbidiums like a moist, intermediate temperature. Although they are fond of plenty of water at the roots when growing, syringing overhead often injures them. When not growing they should be kept somewhat cooler, with plenty of air given on all suitable occasions, but avoiding all cold draughts. A temperature of from 55 to 65 degrees will please them. The eburneum section is very good.

Hardy Ferns.

If you have any spot of ground that is idle on account of being too

shady and moist, it would be well to plant it with hardy ferns. Any strip of loose and friable land that is lying in the shadow of some building or trees will grow any of these ferns. To assist in holding the moisture in the soil, some well decayed leaves should be worked in. With the land so prepared, a position so stated can be made a place of verdant beauty every year. All good varieties of hardy ferns can be obtained from any of the large plant growers. The following sorts will succeed well, *Adiantum pedatum*, *Asplenium ebeneum*, *Aspidium Noveboracensis*, *Pteris aquilina*, *Dicksonia pilosiuscula*, and *Osmunda gracilis*.

Tuberoses.

Much better spikes of bloom are obtained by growing these right along in pots on any sunny bench, than by cultivating in the field. To that end the bulbs are started in 4-inch pots, using a good rich soil, and later on shifted into 6-inch pots, but where they are to be planted out they gain by being started in 4-inch pots and planted out after some growth has been made. About the middle of June is time enough to plant them out.

JOHN J. M. FARRELL.

Mr. Farrell's next notes are for Baby Ramblers, *Chrysanthemum*, large specimens, *Ficus elastica*, *Marguerites*, Sweet scented Geraniums, The Lily Red.

NEWS OF THE CLUBS AND SOCIETIES

AMERICAN ASSOCIATION OF NURSERMEN.

Denver Convention Program.

Address of Welcome—Col. J. S. Irby representing City of Denver.

Response—Capt. C. L. Waltrous of Des Moines, Iowa.

President's address—F. H. Stannard, Ottawa, Kans.

Report of Secretary—John Hall, Rochester, N. Y.

Report of Treasurer—C. L. Yates, Rochester, N. Y.

Report Tariff Committee—Irving Rouse, Rochester, N. Y.

Report Transportation Committee—W. P. Stark, Louisiana, Mo.

Report Legislative Committee—Chas. J. Brown, Rochester, N. Y.

Report Entertainment Committee—F. A. Weber, Nursery, Mo.

Report Publicity Committee—Thos. B. Meehan, Dresher, Pa.

Report Committee on Exhibits—E. P. Bernardin, Parsons, Kans.

Report Forestry Committee—C. M. Hobbs, Bridgeport, Ind.

Report Nat'l Council Horticulture—Capt. C. L. Watrous, Des Moines, Ia.

• "Publicity Campaigns on part of Nurserymen"—J. M. Irvine, St. Joseph, Mo.

"Varieties"—E. S. Osborne, Rochester, N. Y.

"Orchard Pests Still Unknown to the Colorado Fruit Grower"—Prof. G. P. Gillette, Ft. Collins, Colo.

"Co-operation between Nurserymen and Fruit Grower"—W. L. Howard, Sec. Missouri State Board of Horticulture.

"Practical Experiment with Root Gall on Apple Trees"—Vice-President E. A. Smith, Lake City, Minn.

"Transplanted Raspberries for the Retail Trade"—W. N. Scarff, New Carlisle, O.

"Should a Young Man Choose the Nursery Business for a Vocation?"—A. Willis, Ottawa, Kans.

"Observations upon European Nursery Stock and Their Plant Growing Methods" (illustrated by lantern slides)—Prof. John Craig, Ithaca, N. Y.

"The Part Nurserymen Have Taken in the Growth and Development of the Nation"—J. B. Morey, Dansville, N. Y.

"Herbaceous Plants"—C. S. Harrison, York, Nebr.

"Magnifying Our Craft"—E. W. Kirkpatrick, McKinney, Tex.

"A Study of the Nursery Lands of the United States"—W. H. Stark, Louisiana, Mo.

"The Commercial Side of the Nursery Business"—H. W. Marshall, Arlington, Nebr.

"Effects of Tree Planting in the Middle West"—Geo. H. Whiting, Yankton, S. Dak.

"Resultant Evils of Replace Policy"—J. W. Mayhew, Waxahachie, Tex.

"Crown Gall and Its Effect on Orchard Trees"—Peter Youngers, Geneva, Nebr.

"Is the Organization Known as the American Association of Nurserymen a Benefit To the Nursery Business?"—E. M. Sherman, Charles City, Ia.

"Nurseryman's Peach Seed Supply"

C. C. Mayhew, Sherman, Texas.
"Soils and Fertilizers"—F. L. Rouns-
vel, Denver, Colo.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Violet.

Public notice is hereby given that Thomas DeVoy's Son of Poughkeepsie, New York, offers for registration the Violet described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.—Sport of "Marie Louise," 1907. Identical with parent plant, in foliage and habit of growth, flowers double and of a dainty light Wistaria shade.

Name, "Marie Elise."

H. B. DORNER, Secretary.

April 28, 1910.

TUXEDO HORTICULTURAL SOCIETY.

A meeting of the Tuxedo Horticultural Society was held on Tuesday evening, May 3, in the Parish House, president Murray in the chair. The schedule for the Rose Show was presented as ready for the printer, but the date was changed from June 24-25 to June 18 on account of the advanced condition of roses in this section. The executive committee had ready for the meeting a schedule for the chrysanthemum exhibition. There was so much business, however, in connection with the other show that the consideration of a fall show had to be left to next meeting.

D. McINTOSH, Secy.

ELBERON HORTICULTURAL SOCIETY.

The Elberon Horticultural Society held a monthly meeting on the 2nd of May. This society will hold its annual Rose and Strawberry Show in June, the date to be fixed at the next meeting. The date for the Chrysanthemum Show this fall was set for Nov. 9-10.

The following points were awarded: A. Bauer, 95 for antirrhinum; Wm. Seymour, 85 for roses; L. Kelley, 75 for sweet peas. Peter Murray was awarded a certificate of culture for a very fine vase of O. P. Bassett carnations. Chas. De Wild received a certificate of culture for asparagus.

ALEX FLEMING, Rec. Sec.

The entertainment committee of the New Bedford (Mass.) Horticultural Society is making plans for the June Rose Show. George H. Reynolds is secretary of this committee. This show, which may be held in a local department store, probably Friday and Saturday afternoon and evening, it is thought will be made free to the public. The date of the exhibition will be announced later. It is hoped that Miss Fay of Woods Hole will have a display from her rose gardens.

ROYAL HORTICULTURAL SOCIETY. Orchid Exhibits, April 19.

Numerous as were the orchids on this occasion, there were but few which have not been observed before, and their prominent features descanted upon. In the collection of plants contributed by Messrs. Sander & Sons, among the many Cattleyas and Laeliocattleyas one of the handsomest was L. C. Rowena. A pretty cream-colored Stanhopea having very minute crimson spots all over it, the name of which could not be determined, attracted much notice. *Odontoglossum Rossi* var., with bright brown spotting on the sepals and petals was noted, as likewise *Miltonia St. Andre*—a cross of *M. Roezlii* and *Sander's* variety of *Bleuana*. A pure white *Sobralia* was shown under the name of *Sanderae*—an acquisition worth possessing—and received an award of merit.

Charlesworth & Co. had a collection abounding in good varieties of Cattleyas and Laeliocattleyas. Of the latter was the variety *Doris*, bright orange; *Cattleya Empress*, and C. Mendelli Madame Rejane, white with a beautifully fringed lip, were observed in fine examples. *Odontoglossum Armainvillierense xanthotes* had a flower of pure white, except for the crest, which is yellow.

From H. S. Goodson's garden came *Odontoglossum Amabile* var. Lord Carnarvon, a flower densely blotched with brown on white, and *O. eximium* var. *Clarksoni*, brown markings on white ground. Mr. de B. Crawshaw showed several *Odontoglossums*, the variety *O. Regale* receiving an award of merit. The flowers are large, petals and sepals of yellow, with chocolate brown markings.

M. Henri Graire, St. Fuscien, Amiens, France, received an award of merit for *Odontoglossum Rossianum* var. *Rossianiae*, lilac spotted with brown. A similar award was bestowed on *O. crispum* var. *St. Fusciae*, white with brown spotting. Walter Cobb was the recipient of an award of merit for *Odontoglossum Lawrenceanum* (*O. Insleayi*).

It may not be amiss if mention be made here of a few good plants shown by Messrs. J. Veitch & Sons, viz., a *Cineraria* 3 to 4 ft. in height and proportionately broad and strong, named *Feltham Bouquet* (*C. multiflora* × *C. stellata*). The flowers are purple, of medium size, and borne in great numbers on strong branching corymbs. The plant was first shown three years ago. The firm showed a plant with one expanded flower of the var. *Aristolochia Sturtevantii*. It measured 9 inches in width, and was decorated with a tail-like appendage a foot long. *Begonia Lucernae* with cerise red flowers in massive pendulous corymbs, and bronzy green foliage is a highly ornamental species. F. M.

NEW YORK FLORISTS' CLUB.

At the next meeting of this club, Monday evening, Jan. 9, Prof. John Craig, of the New York State College of Agriculture at Cornell University, will speak on some phases of experimental work in relation to floriculture. JOHN YOUNG, Secy.

DURING RECESS.

Florists' Club of Washington.

The annual banquet given by the club was held at Rauschers on the regular meeting night, May 3rd. This banquet has for years been a special feature, but this one outdistanced anything ever before attempted by the club. The banquet hall had tables on three sides; in each corner were pyramids of palms and American Beauties, while the space between tables was partly taken up by a magnificent pyramid of Beauties, topped by a specimen Kentia. Table decorations were of Killarney roses, ferns and pink carnations. The orchestra which played throughout the evening was hidden in a balcony of palms. The banquet this year was delayed by reason of so early an Easter and the rush incident thereto. But the law of compensation holds good under all circumstances, for every one agreed that it was the most successful ever given by the club.

John Robertson, the newly elected president, presided and officially introduced the toastmaster, Wm. F. Gude. Mr. Gude in his usual happy manner introduced the soloist of the evening, Miss Siebling, who sang "Beautiful Garden of Roses." A thunder of applause greeted this beautiful song and she was twice recalled.

Ex-Commissioner H. B. F. McFarland next spoke on the importance of civic improvements, and paid a glowing tribute to the generosity of Washington florists. He then made the presentation of a silver loving cup to Wm. F. Gude which bore the following inscription: "In token of appreciation of services rendered the Florists' Club of Washington. Presented to Wm. F. Gude."

Commissioner C. H. Rudolph was next introduced and after a pleasant speech he presented the outgoing president, F. H. Kramer, with a silver loving cup. All cups were alike and all bore the same inscriptions. Secretary O. A. C. Oehmler was next introduced and presented with one-half dozen knives and forks.

Robert N. Harper, ex-president of the Chamber of Commerce was next introduced and he presented Geo. Cooke with a loving cup. All of the fortunate receivers of cups replied in a most pleasant and grateful manner, expressing their gratitude and surprise at being so pleasantly remembered, as well as their interest in and love for the club.

Harrison Klingman spoke of the florists as one of the most important factors in all events, both social and commercial and expressed his personal appreciation of them. Frederick B. Owen was then introduced as a man who has done more than any other man to make Washington's crude and unsightly places beautiful by means of shrubbery, etc. His response was most happy. Then came a turn of the tide, and as has been the history of all time, woman was finally recognized as an important factor in the workings of the universe. "Better late than never" seems to be the key note. Wm. F. Gude here introduced Mrs. Loeffler as one of Washington's foremost business women. She responded in a pleasant, concise manner.

Next in order, men all standing, Wm. F. Gude announced the following toast to the ladies: "God bless

the ladies, may they be with us always." Peter Bisset, one of the ex-presidents of the club, who has just returned from a very extended tour on the Pacific Coast in the interest of Uncle Sam, spoke briefly of his interest in the welfare of the club and of his pleasure at once more being with them.

Adolph Gude was then introduced to the company by F. H. Kramer and he paid tribute to Com. R. M. McFarland and the ladies present, and to John Robertson as a man and a leader. Frank Siebling, official of police court, spoke of his pleasure at being present.

Chas. Woodhead then delighted the audience with several solos. Both he and his wife have done much for the pleasure of the club in the past, as both have fine voices and always requests to sing.

The banquet closed at a late hour. The elaborate decorations were done by Gude Bros., and freely attested to their exceptional taste along those lines.

From the foregoing report one can easily see that the pleasant occasion was a feast of reason and a flow of loving cups.

Chicago Bowlers.

These teams will roll each Friday evening until July 26th when convention team will be decided upon.

L. Vaughan.....	180	171	197
E. Pasternich.....	152	157	147
F. Krauss.....	115	111	133
Capt. T. C. Yarnall.....	148	157	173
	595	596	650
J. Huebner.....	146	184	152
E. Winterson.....	141	134	125
Wm. Wolf.....	129	173	126
Capt. Geo. Asmus.....	155	176	138
	571	667	539
Capt. V. Bergman.....	164	151	158
F. Lieberman.....	127	135	148
E. Farley.....	193	134	197
T. Vogel.....	125	98	135
	609	518	638
Capt. E. Johnson.....	22	171	168
Alex. Wierzowski.....	125	187	168
Wm. Graff.....	118	167	155
O. H. Goerisch.....	172	116	116
	617	651	607

FLORISTS' CLUB OF PHILADELPHIA.

Antoine Wintzer of West Grove, gave a very interesting talk on "Roses, Past and Present," at the regular monthly meeting of the above Club on the 3rd inst. He gave many personal reminiscences of his rose-growing experiences during the past forty years, mentioning many of the old-time varieties of roses that are still good and worthy of extended culture. He also gave warm praise to many of our latter-day raisers of new varieties, among them especially Dr. Van Fleet, W. A. Manda and Jackson Dawson. On exhibition were several fine vases of roses, including Duchess of Wellington from Robert Scott & Son, Sunrise from H. W. Collins, Perle and Niphetos from Charles E. Meehan, American Pillar and other climbing roses from Conard & Jones Co. The speaker for June will be Alphonse Pericat on "Commercial Orchids." John Dale, of Dale & Yost, the newly established growers at Pittville; Hilborn Darlington, son of the late E. D. Darlington, Doylestown, and Lewis Catherez of Michell's, were elected to membership in the Club.

THE COST OF OPERATING A RETAIL FLOWER STORE.

(A paper read before Detroit Florist Club, May 2, by F. Danzer.)

My original intention was to present statistics tabulated and arranged in such form as to show where expenses almost imperceptibly cut up the profits, but the few reports received from local or out-of-town florists show such a difference in methods of bookkeeping that it was not possible to so arrange them. Some of these reports clearly show an unwarranted disinclination to divulge so-called business secrets.

The capital investment of a retail store consists of: I. Storefixtures, from which at least 10 per cent. per year must be deducted; in case of a short term lease this deduction should be in such proportion that the fixture account is wiped out where the lease expires, because a removal makes these fixtures obsolete. II. Livery outfit—horse and vehicle or automobile, on which an annual depreciation of 20 per cent. must be figured. III. Palms for decorative purposes, the upkeep of which is accounted for in the merchandise account because they always are to be kept at least 90 per cent. standard and are as much a salable article on the closing day of business as they were at the beginning. IV. Working cash on hand when business is begun. Next is the merchandise account, which includes all merchandise purchased to do business with or whose exchange into money brings about gain and loss according to our (and I am sorry to say sometimes according to our competitors') manner of management.

To attain a clear understanding of the business year's result accounts should be subdivided into: Supplies, flowering plants, cut flowers, plants such as palms, ferns, etc., for sale. Next is the most important account of all, one which in the course of a year is apt to cut immense holes into our profits—the expense account. This account cannot be divided up too much, and let nobody ever be deterred from a very thorough analysis of it by the word "Red tape." The principal items of this account are as follows: (1) Rent, to which must be added such proportion of lease if the same had to be purchased as will wire out this item at the expiration of the same. In such cases where a building has been erected for the sole purpose of conducting a retail flower store for a certain term of years only the cost of such building must be charged to rent in its annual proportion. (2) Delivery, daily cost of maintenance, wages of boys, car fares, extra wagons or automobile hire during days of rush. (3) stationery, postage and correspondence. (4) Telegrams and telephone. (5) Heat and light. (6) Flower boxes. (7) Wrapping material from string to fancy boxes. (8) Cost of renewal of decoration plants. (9) Salaries. (10) Accounts outstanding. (11) Supplies. (12) Green stuff.

Before going further we must consider the subject from three different standpoints: (1) Annual business \$10,000. (2) Annual business \$5,000. (3) Annual business \$100,000. The man who transacts \$10,000 worth of business per year does not need a business office, but a small room, an extra-travagantly fitted-up salesroom. They

do not require a fancy box for every purchase. His location is in a cheaper district and his fixtures are of a plain nature. Still on every dozen carnations which he sells we find that rent, heat and light, etc., each have a share. Making up his annual expense account we might possibly put it thus:

Rent, \$1,200; delivery boy, \$520; car fare, \$78; mail, \$52; telegram and 'phone, \$150; heat and light, \$300; boxes, \$100; wrapping mat., \$200; wages one girl, \$312; supplies, \$200; ferns and green, \$300; cut flowers, etc., \$5,000; total, \$8,412.

Assuming the business to be done on a 100 per cent. basis, he must expend \$5,000 for his merchandise. Averaging his expenses by the year they amount to \$3,412.00 or 68 per cent., leaving him a balance of \$1,588.00 or 32 per cent. as his wages.

The next man doing a business amounting to \$50,000 per year belongs to a higher grade but I fear a less profitable one. His store must be in a more desirable location, his patrons demand more in the way of fixtures, their purchases must be done up in better form, a stock of decoration plants must be kept up and many accounts must be carried. To sum up his expenses we can put it thus:

Rent, \$3,000.00; delivery rig and keep up, \$900.00; 2 delivery boys, \$156.00; carfare \$120.00; extra delivery for holidays, \$100.00; mail, \$120.00; advertising, \$700.00; Telegram and 'phone, \$250.00; heat and light, \$500.00; boxes, \$750.00; wrapping material, \$500.00; wages 3 girls, \$6.00 p. w., \$936.00; wages, extra for holidays, \$50.00; 6 per cent. on \$5,000 outstanding account, \$300.00; florist supplies, \$1,000.00; ferns and green, \$1,000.00; 6 per cent. on \$1,500 decoration plants, \$90.00; renewal of same, \$750.00; 6 per cent. on \$2,500 of store fixtures, \$150.00; 10 per cent. depreciation thereon, \$250.00; annual cleaning, etc., \$250.00; cut flowers and plants, \$2,500.00; total, \$36,872.00. With an annual business of \$50,000 we have left \$13,128, of which \$5,000 is outstanding, leaving a clear balance of \$8,128.

These items computed very carefully show a cost of doing business of about 33 per cent., while the net gain, considering the amount of money outstanding, gives a balance of only 16 per cent. clear profits, assuming that every flower and plant bought has been resold at double the purchase price.

The next man doing a business of \$100,000 or more annually, presents again a different picture in his expense account and his bill would be still more complicated, to wit:

Rent, \$4,000; two delivery rigs, \$1,800; upkeep, \$500; two delivery boys, \$156; carfares, \$200; boys extra for holidays, \$400; mail, \$350; advertising, \$1,200; telegram and 'phone, \$500; heat and light, \$1,200; boxes, \$7,000; wrapping material, \$1,000; wages, three clerks, four girls and bookkeeper, \$5,500; wages extra for holidays, \$500; 6 per cent. on \$10,000, account standing, \$600; florist supplies \$3,600; ferns and green, \$7,000; 6 per cent. on \$2,500 decoration plants, \$150; renewal of same, \$1,200; 6 per cent. on \$20,000 store and fixtures, \$1,800; 8 per cent. depreciation thereon, \$2,400; cut flowers and plants, \$50,000; total, \$79,356.

This on the presumption of doubling up on everything would presume a \$100,000 annual business and deducting therefrom the expenses of \$79,356 leaves a balance of \$20,644—or about 20 per cent. less amount outst. \$10,000, net \$10,644—or about 10 per cent. clear.

As estimated at the beginning, it is practically impossible to procure the actual figures of a detailed expense account, and while the man doing the bon ton business derives considerable from the hiring out of plants and consequently will not pay out \$50,000 for cut flowers and plants to enable him to do a \$100,000 a year business it is a fact that the item of \$1,000 per year for boxes is too conservative by at least \$1,200. This item is very striking as compared with the item of wrapping material in numbers 2 and 3. While No. 2 pays \$500 per year for wrapping material, No. 3 pays \$1,000. No. 2 pays about \$1,000 for boxes, No. 3 pays \$7,000, which shows clearly the extravagant demand made by our bon ton customers.

Another offset for a possible unaccounted-for income from decorative plants is in the low estimate of mailing expense and advertising. A well regulated business sends out the bills contracted daily and monthly. In a business of that size this means at least 800 bills a month or \$178 a year for postage. Add to this regular correspondence, special delivery and so on easily doubles that item. In the matter of advertising I have purposely only taken cognizance of that part which is unavoidable and refers to those apparently unlimited calls of societies for program advertisements. The legitimate advertisement such as annual announcements in the fall of the year in form of little booklets or similar matters will easily reach an annual expenditure of \$1,000, so that the commission from income of plant hire is easily covered.

The item of \$30,000 in store fixtures may appear large, but is conservative because a first-class store must be built right in every detail. The cut flowers must be displayed in cut glass and other expensive material, most of which is not bought and transformed into cash, but is simply a fixture which in a few years becomes fit for the scrap pile only.

I trust that these enumerations have thrown light on points we have been thinking about very much, and while I realize the intricate nature of the subject I hope I have it made clear enough that a retailer has no possible chance for existence and future prosperity unless he at least doubles his price on everything he purchases.

THE BRITISH-JAPANESE EXHIBITION.

There is great progress being made at Shepherd Bush with the Japanese gardens, and the exhibition will be opened to the public about the middle of June. We therefore lose the pretty effects of the May flora, one of the chief attractions of a garden in Japan. Doubtless the powers that rule at the exhibition will have something to show us, making amends for this lacuna. Some ponderous scenes in rock construction are already completed. The "Gardeners' Chronicle" gives an illustration of this in its issue for April 16—much stone, but little water.

CHICAGO NOTES.

Effects of the Freeze.

A. E. Hunt of Evanston thinks the frost has not done so much injury as was at first supposed. With the continued cold rain he is glad with others that his young carnation stock is still indoors.

The peony fields at Batavia are seemingly recovering from the frost but the real outcome will not be known till the flowers are actually open.

Singler Bros. of Morgan Park had 40,000 carnation plants in the field the most of which had been out a week and were unharmed. Those planted just before the frost are injured. This plant, devoted to the growing of carnations, is one of the oldest in the vicinity of Chicago. It was established by Mr. Singler, who died several years ago, and is now ably managed by his two sons.

Geo. Walther, 435 W. 63rd street, had refused to plant bedding stock for his customers who are now only too glad of his positive refusal.

Barnard's ten acres of peonies at Tracy are showing signs of considerable injury, though the loss will be less than at first anticipated.

All over the city and in the suburban towns the shade trees are dropping their young leaves. The soft maple trees, large specimens forty years old are dropping the whole of the young twigs. The first day that the sun shone the air was filled with the odor of decayed vegetation and added to the leaf bestrewn sidewalks, fall and not spring appears to be at hand. While many theories regarding the trees may be heard the majority of the people are at least trying to hope for the best. No one has been found who can recollect ever seeing such a condition before. Those whose shade trees are of the late leafing varieties are congratulating themselves on this fact.

Another Large Retail Store Closed.

Most of the trade were taken by surprise Monday when they learned that Hauswirth The Florist had closed up his business in the Auditorium. This is one of the oldest retail stores in Chicago. For twenty or more years the name of Hauswirth has been connected with this famous hotel. Phil. J. Hauswirth first had a store on the Wabash side and several years ago moved into the Michigan avenue store where upon his death, Dec. 4, 1907, the business was continued by his widow, Marie C. Hauswirth and son Edward. In a little over a year death claimed one of the brightest women in the florists' ranks and since that time "Ed." has conducted the store. It was not altogether a successful venture and Mr. Hauswirth has closed his store and announces his intention of going into the poultry business at Twin Lakes, Wis. Three weeks in succession a closed retail store in the down town district has been the surprise of the early part of the week. Various rumors are afloat as to the successor to the Hauswirth store.

Important Conference.

Arrangements for the semi-annual meeting of the Illinois Outdoor Improvement Association at Springfield, Ill., May 26 and 27, are well under way and a fine program has been

For Decoration Day

We have this year the most complete, elegant and salable stock of florists' goods ever offered for the MEMORIAL DAY trade. Our line of PRE-SERVED FOLIAGE and other INDESTRUCTIBLE DECORATIVE MATERIAL cannot be excelled and the name of BAYERSDORFER & CO., on the package guarantees that goods and prices are

What Every Florist Wants

Don't wait until the last moment to make inquiry. SEND NOW for list of Standard and New Goods for this important occasion. All you have to do is to show the goods. THEY'LL SELL. Wreaths of Cycas, Magnolia, Fern and other foliage in Green, Autumn Tints and Moss effects are among the novelties.

METALLIC WREATHS are our specialty; we make them up with Roses, Pansies, Forget-me-nots or anything you please. STANDING ANCHORS, PILLOWS, WREATHS, ETC., all graceful and true to nature. Cape Flowers; Immortelles, all colors; Doves; Sheaves.

H. BAYERSDORFER & CO.

The Florists' Supply House of America

1129 Arch Street, Philadelphia, Pa.

prepared. The purpose of the conference is to find the needs of the localities which are now attempting outdoor improvement and to stimulate others to begin it. All persons are invited and all clubs, associations, park boards, school boards, etc., are invited to send delegates. Home grounds, school grounds, highways, railway stations, the birds and the parks, all will receive attention. An automobile ride and a lunch in Washington Park and a band concert in the evening will be the recreation features. Among the speakers will be Gov. Deneen, Eugene Davenport, dean of College of Agriculture at Urbana, C. A. Killer, Pres. Chamber of Commerce, Champaign; Geo. Hooker, City Club of Chicago; Jens Jensen and many others. Headquarters will be at St. Nicholas Hotel.

Trees One Cent Each.

Several thousand Catalpa trees were planted in Chicago on Arbor Day. The large department stores sold them for one cent each and they ranged from ten to thirty inches in height. City Forester Prost expressed his approval of the Catalpa for Chicago. In many schools each child went home with a tree to plant.

Chicago Week.

One week in August to be known as Chicago Week, will find all the stores showing goods produced in Chicago. Not the best time in the year for florists to show their products but they will rise to the occasion and do their best which is always something worth while.

April Weather.

The April summary sent out by the

weather bureau shows the month to have had a range of 60 degrees of temperature, 86 deg. on the 29th and 26 deg. on the 23rd, and notwithstanding the cold spell the month averaged 5.3 deg. above normal and had more than nine times the average snow fall.

Around Town.

E. H. Hunt is installing a new billing machine made necessary by the spring rush. The usual demand for tobacco has been greatly increased this year and it is with difficulty that they can keep up with the orders.

The first peonies from Sarcoxie, Mo., were seen here and included Officialis Rubra and Rosea Superba. In the supply department some attractive Japanese brass ware, mostly in the shape of high handled baskets, was being unpacked. They were for hanging or table use and for both cut flowers and ferns.

The Fairbanks Building, the second floor of which has for years been known as The Flower Growers' Market is now in the hands of a force of workmen. Extensive repairs had been all but under way when a fire made havoc with the southwest corner and the entire building will now be overhauled.

The Masonic Temple Floral Co. made petition for bankruptcy on April 25, with assets about 20 per cent of the liabilities. As all of the last month's bills are unpaid including his Easter stock there are many wholesale firms who are heavy losers. Should Mr. Visas again go into business in Chicago, he will not find it easy to get credit.

The automobile floral parade on May 7th will bring some work to the

retail florists but most of them are not looking forward to much on account of the killing of most of the outside flowers. If the owners of the machines could have had a part of their flowers from out of doors they would have been willing to give a generous part of the business to the florists but it is quite an undertaking when stock is scarce to trim a large

APHINE

Is proving a most effective, while at the same time absolutely harmless, insecticide for use on young stock.

It destroys the insects, and invigorates the plants.

Have you tried it?

**Aphine Manufacturing
Company**

MADISON, N. J.

car with greenhouse flowers. Fleischman, however, has captured six of the orders.

Personal.

Miss Sadie Heim, daughter of Edw. Heim of Heim Bros., florists, at Blue Island, Ill., has taken a position in the office of E. H. Hunt & Co.

A. F. Longren and Margaret Sharp were married on Saturday, April 30th at the home of the bride's parents 4419 Park avenue, Chicago. A. F. Longren is well known to the trade and for the past two years has been before the public as the introducer of the Lucille carnation. He has for some time been traveling salesman for the E. H. Hunt Co. and has taken his bride with him on a southern trip.

Visitors.—Mrs. A. L. Glasser, Dubuque, Ia.; Otto Schwill of the Memphis Floral Co., Memphis, Tenn.

NEWS NOTES.

Toronto, Can.—W. Hill has moved to 716 Yonge street.

Pinehurst, N. C.—H. F. Kelly has started in business here growing flowers and vegetables under glass.

Princeton, Wis.—A partnership has been formed by Fred Schewe & Son under the name of Fox River Nursery Co.

Excelsior, Minn.—S. M. Robinson will grow nursery stock and perennials on the 35 acres of land which he has just turned over at Vine Hill.

Elgin, Ill.—A. F. Hatch who was a heavy loser by the recent snow storm and frost met with an additional loss April 22nd when his greenhouse containing 8,000 tomato plants was destroyed by fire.

Nobscot, Mass.—Adolph E. E. Koch, foreman for Geo. E. Buxton of Nashua, N. H., has purchased the Whittemore Greenhouses at Nobscot, Mass. Mr. Koch will make a specialty of carnations for the Boston market.

Ogden, Utah.—The B. F. Bonnewell Nursery Co. has been charged with fraud and misrepresentation by T. P. Perry. According to the complaint Bonnewell guaranteed trees which he sold to Perry, but Perry avers they were practically worthless.

Medford, Ore.—The Rogue River Valley Nursery Co., the incorporation of which has been previously reported in these pages, has leased 30 acres of land on which over 100,000 seedlings are growing. C. F. Cook, F. H. Cook and B. Franklin are the incorporators and will have their head offices at Medford.

Geneva, N. Y.—On April 21st 3,900 peach trees were disposed of by auction to Timothy Linnehan for the sum of \$1.00. These trees comprised a shipment which had become damaged in shipping and had been seized by Officer Hawkins upon an attachment issued in favor of the Ontario Nursery Co. against the Fraser Nursery Co.

Reading, Pa.—It was reported in our April 30th issue that Stabenow Bros. were to build a greenhouse at 12th and Exeter streets. We now find that the Stabenow Bros. have dissolved

GODFREY ASCHMANN

Is more active than than ever

LOOK! BARGAINS!

I am ready to execute every order in bedding plants promptly; having 10 houses and an equal number of hotbeds, with every hole and crack full of bedding plants alone

Geraniums, double white, pink and red, in 4-in. pots, \$7.00 per 100.

Asters, Queen Victoria and other good varieties, 5 or 6 separate colors, 2 1/4 to 2 1/2-in. pots, \$3.00 per 100.

Canna Eisele, 4-in., \$7.00 per 100. Alphonse Bouvier, Bismark, Patty Gray, 2 to 4-in., \$7.00 per 100.

English Ivy, 4-in., 10c.

Lemon Verbenas, 4-in., \$7.00 per 100.

Begonia Erfordii, our well-known improved strain (5000 now ready), 4-in., \$8.00 per 100.

Begonia Vernon, dark and light red. Our so well-known improved strain from Zurich, Switzerland, introduced by us 4 years ago, which has given so much satisfaction all over America. Always in bloom. Stand the sun and all the dry weather. A bed of this novelty plant, once seen grown and same will speak for itself. When we plant our Begonias we plant 4 to 8 small seedlings in one pot and they are now grown big and bloom in 4-in. pots, at \$8.00 per 100.

Clara Bedman or Bonfire, in bloom (Scarlet Sage), 4-in., \$7.00 per 100.

Ageratum, dwarf blue, best variety, 4-in., \$7.00 per 100.

Fuchsias, assorted colors, 4-in., \$7.00 per 100.

Heliotropes, blue, 4-in., \$7.00 per 100.

Petunias, double, assorted, 4-in., \$7.00 per 100.

Lantanas, assorted, 4-in., \$7.00 per 100.

Vinca Variegata, 4-in., large, for vases or window boxes, 10c to 12c.

Primula Obconica (blue), in bloom, 5-in., \$2.00 per doz.

Dracaena Indivisa, 5 to 5 1/2-in., 25c.

Crimson Rambler Roses, 7 to 8-in. pots, 75c, \$1.00, \$1.25 to \$1.50. Other ramblers, 6 to 7-in. pots, 35c and 50c.

Dorothy Perkins, one of the best new pink Ramblers, pot grown, 2 to 3 years old, 35c to 50c.

Kentia Belmoreana and Forsteriana, 4-in., 20c. Kentia Belmoreana, 3-in., 10c. Kentia Forsteriana, 6 to 7-in., 40 to 50-in. high and over, \$2.00, \$2.50 to \$3.00.

Hydrangea Otaksa, in bud, 6-in., 25c, 35c to 50c.

Cobaea Scandens, 4-in., 10c.

All plants 35 at 100 rate. Cash with order, please. All plants must travel at risk of purchaser only. Watch our ad for Araucarias about May 10.

Godfrey Aschmann, 1012 W. Ontario Street, Philadelphia, Pa.

WHOLESALE GROWER, IMPORTER AND SHIPPER OF POT PLANTS

partnership and that it is Herman Stabenow, Jr., who is building the new house. He intends to grow young stock of roses and geraniums for shipping.

Paradise, Cal.—Dr. W. E. Mack of the local technical school has started a movement with a view of enabling growers to secure olive trees without the necessity of importing them from points outside of Butte county. A nursery of 60,000 trees is already in growth. The trees grown in Butte county are free from diseases and pests which often infest imported trees.

Knoxville, Tenn.—A nursery for propagating shade trees will be established here as soon as weather conditions permit. This was the decision of the Park City Civic Improvement Association and is one of the steps to secure a uniform growth of shade trees throughout Park City. The trees will be sold to citizens of Park City at cost and will be accompanied by instructions as to planting, care, etc.

Rosen Zeitung for April, 1910, presents a colored plate of John Cook's new H. T. rose, Radiance.

IN SMALL PLANTS

We have the following in 2 1/2 to 3-in. pots, \$3.00 per 100:

Verbenas, assorted colors.

Phlox Drummondii, dwarf and grandiflora. French Dwarf Tagetes (the queen of the marigolds).

German Asters Queen Victoria, 4 or 5 separate colors, 2 1/2-in.

Zinnia elegans.

German or Parlor Ivy.

Cosmos, assorted, white, red or pink (by name if desired).

Coleus, Golden Bedder, Verschaffeltii and Queen Victoria, fancy varieties, \$4.00 per 100.

Petunias, California, Dwarf Inimitable and Rosy Morn.

Sweet Alyssum. Carpet of Snow or Little Gem.

Tradescantia, two colors.

Thunbergia or Black-eyed Susan. Maranta Bachemiana.

Salpiglossis.

Lobelia Crystal Palace (blue), dwarf and trailing.

Cornflowers, assorted.

Parlor Ivy.

Centaurea Gymnocarpa (Dusty Miller).

Echeveria glauca, also large plants, \$4.00 and \$5.00 per 100.

Don't forget that we are the wholesale growers of the celebrated, world-wide known

IPOMOEA NOCTIFLORA (MOONVINE)

Pure white, rapid grower, very fragrant and earliest moonvine, with flowers as big as a saucer. Grows 50 feet and over in one season, with thousands of flowers on them. We have grown them for the past 25 years and have established a world-wide reputation, over 25,000 having been shipped all over the United States, Canada and Mexico. Price: 2 1/2-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.

Nephrolepis. We have the following to offer: Whitmani, Boston, Scotti, medium size, 4-in., \$20.00 per 100. Schoelzeli, medium size, 4-in., \$25.00 per 100.

WELL PLEASED.

"We enclose \$1.00 account of subscription to the journal. We are well pleased with your paper."

G. S. & N., South Dakota.

Coleus. Coleus.

2 1/2-in. pot, Verschaffeltii and Golden Bedder, \$2.00 per 100.

Rooted Cuttings, Verschaffeltii and Golden Bedder, \$8.00 per 1000.

Rooted Cuttings in variety, \$5.00 per 1000.

Geraniums, our selection, 3-in. pot \$5.00 per 100.

Geraniums, our selection, 4-in. pot \$8.00 per 100.

J. E. FELTHOUSEN

154 Van Vranken Ave., Schenectady, N. Y.

GARDENIAS

Fine large JESSAMINES (Gardenias) with beautiful foliage.

Stems from 8 to 12 in. \$ 7.50 per 1,000

" " 12 " 18 " 10.00 per 1,000

F. O. B. Alvin Terms strictly Cash or C. O. D.

MISS A. WASHINGTON, Alvin, Texas

Mention Horticulture when you write

CAPE JESSAMINES FROM THE SOUTH.

In a letter just received from Miss Washington of Alvin, Texas, whose advertisement of Cape Jessamines appears in this issue we learn that the blooming of these flowers has been delayed by the cold wave of latter part of April and will not be ready to ship before May 10. Miss Washington calls attention to the fact that gardenias after being packed properly will keep fresh for two full weeks if the packages are not disturbed. The crate should be kept in a dark, cool place until the flowers are needed, moistening the packing papers but not disturbing the flowers until the night before they are to be used when the stems should be immersed in water nearly up to the flowers. Miss Washington has made a specialty of this business and the flowers she ships arrive invariably in fine condition.

VANDA COERULEA.

It may be of interest to cultivators of this epiphytal orchid to be made acquainted with the conditions under which the species grows in the South Shan states, given by Lieut-Colonel Rippan in the Royal Horticultural Society's Journal for March. At Kalan the plant appears on trees from 10 ft. to 40 ft. above the ground. The roots cling to the bark of the tree, and seem to prefer the shade, whilst the flower spike emerges into the sunlight between the foliage of the host plant. The writer of the note suggests that fleshy-rooted orchids suffer under cultivation from their roots being confined and generally maintained too moist. At Kalan the plant succeeds perfectly when tied to the bole of a tree or to a thick branch (dead or alive). F. M.

A NEW ORCHID ESTABLISHMENT.

Charles J. Bond has made a start in his recently acquired houses at Naperville, Ill., with 7,000 cattleyas, the first 20 cases of which have already been received and housed and are very fine stock. Naperville is 29 miles out of Chicago, and with no factories to speak of the air is quite smoke free and the conditions seem ideal for the culture and the marketing of orchid flowers, which are Mr. Bond's specialty.

INCORPORATED.

Alexandria, Va.—New York Orchids Co., capital stock \$5,000. C. A. Hamilton, president; W. A. Hussey, vice-president; H. P. Morse, secretary and treasurer, all of Washington.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also importations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

ORCHIDS

FANCY
STOCK

SPECIMEN
PLANTS

FRESH
IMPORTATIONS

Oncidium
Varicosum Rogersii

G. L. FREEMAN
CO.
Fall River,
Mass.

CATTLEYAS

TRIANAE
LABIATA
MOSSIAE
GASKELLIANA

DENDROBIUMS

CHRYSOTOXUM
DENSIFLORUM
NOBILE
WARDIANUM
THYRSIFLORUM

VANDA
COERULEA



ORCHIDS

for the

Trade Only

Alphonse Pericat,
Orchid Specialist
and Importer, of-
fers his brother
orchid growers a

part of his recent importation from South
America—just arrived in splendid con-
dition—as follows:—

Cattleya Trianae, - -	Per Case \$40.00
“ Schroederae, - -	\$35.00

These are the best orchids for the
commercial florist. Order at once
as the surplus is limited.

Alphonse Pericat

ORCHID SPECIALIST AND IMPORTER

Collingdale, PHILA., PA.

ORCHIDS

CATTLEYA TRIANAE

A very large shipment of this popular
Cattleya arrived in fine condition.

We offer them until sold at
\$40 per case.

We have also received

CATTLEYA GASKELLIANA

Oncidium varicosum Rogersii
O. crispum, Laelias,
Miltonias, Etc.

Other Commercial Kinds to Follow.

Lager & Hurrell
SUMMIT, N. J.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gas-
kelliana, C. gigas Hardyana type, Dendro-
bium Phalaenopsis Schroederiana, Odonte-
glossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN,
Mamaroneck, New York.

IMPORTED ORCHIDS

Now Arriving

Julius Roehrs Co.
RUTHERFORD, N. J.

Prices Quoted in these Columns are for Dealers Only.
When Writing to Advertisers Please Mention
HORTICULTURE.

Horseshoe Brand Bamboo Cane Stakes

Just Arrived from Japan.

**Four, five, six, eight and ten feet
natural and green stakes,**

LILIES

Speciosums and Cold Storage **Giganteums**

Ready for Immediate Shipment.

Send for the Horseshoe Brand Catalogue.

Ralph M. Ward & Co.

12 West Broadway, New York



BLIZZARD DAMAGE.

A wholesale fruit dealer of Elgin, Ill. estimates the loss of fruit in Elgin and vicinity as a result of the recent blizzard to be from \$15,000 to \$20,000. The total loss of the County he states will probably reach \$75,000. The cold damp weather after the freeze is all that saved gardens and field truck and prevented a wholesale killing of trees. Garden truck while damaged was not a total loss, so that the cash loss will not amount to a high total. The crop can be planted again. Much of the fruit of this section of the country is ruined without question. However there are still hopes for strawberries, grapes, raspberries, currants and gooseberries, which are now recovering. The greatest damage to garden truck was to the tender tomato plants and beans.

Mr. Prescott of Marengo was perhaps the greatest loser in this section as he had prospects of a record crop from his 7,000 to 10,000 cherry trees. A. F. Hatch of South Elgin lost 8,000 tomato plants and his rhubarb and asparagus were badly nipped. His whole crop of lettuce was destroyed.

"SPLENDID RESULTS."

Editor HORTICULTURE:—

The season is now closed for the sale of our Mary Tolman carnation plants. In looking over results we find we have received splendid results from our advertisements in HORTICULTURE.

Yours truly,

A. E. HUNT & CO.,
April 18, 1910. Evanston, Ill.

A PATRIARCHAL TREE.



This old apple tree on the farm of L. H. Buzzell, Barrington, New Hampshire, is 12 ft. 4 in. in circumference; the three main limbs being 6 ft. 3 in.; 5 ft. 9 in.; 6 ft. 10 in. respectively. According to an authentic record it was a large tree bearing fruit in 1781—129 years ago. It bore about 25

bushels of apples in 1909. It is estimated to be over 250 years old.

Grand Rapids, Mich.—The Superior Court jury has awarded a verdict of \$250 to Charles Leising in the case brought by the lad against Henry Smith, the florist. Leising fell from a tree while picking cherries on the Smith farm last summer and was painfully hurt.

Dreer's Select Hardy Vines and Climbers

Potted Stock for Present Planting

AKEBIA QUINATA.
We offer extra heavy pot-grown plants of this handsome climber.
Strong 4-inch pots, \$1.25 per doz.; \$8.00 per 100.
Heavy 6 " " 2.00 " 15.00 "

AMPELOPSIS VEITCHII.
Strong 2-year-old, \$1.50 per doz.; \$10.00 per 100.
Extra selected plants, \$2.00 per doz.; \$15.00 per 100.

AMPELOPSIS VIRGINICA. (Virginia Creeper.)
Strong 2-year-old plants, \$1.25 per dozen; \$8.00 per 100.

AMPELOPSIS TRICOLOR. (Vitis Heterophylla Variegata.)
Very strong, 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

AMPELOPSIS ENGELMANNI.
Extra strong, 2-year-old plants of this most useful variety.
\$1.75 per doz.; \$12.00 per 100.

AMPELOPSIS LOWII.
A new variety of the same general character as A. Veitchii and clinging to the smoothest surface without support, but with foliage much smaller and deeply cut, giving a light and airy appearance to the plant not possessed by the older sort. In spring and summer the leaves are of a bright apple-green color, changing to a brilliant crimson and scarlet in the autumn. 60 cents each; \$6.50 per doz.

APIOS TUBEROSA.
Strong tubers, \$2.00 per 100.

ARISTOLOCHIA SIPHO.
(Dutchman's Pipe Vine.)
Extra heavy, \$4.00 per doz.; \$30.00 per 100.

BIGNONIA. (Trumpet Creeper.)
Grandiflora. Strong plants, \$3.00 per doz.; \$20.00 per 100.
Radicans. Strong plants, \$1.50 per doz.; \$10.00 per 100.

CELASTRUS SCANDENS.
(Bitter Sweet, or Wax Work.)
Extra heavy plants, \$2.00 per doz.; \$15.00 per 100.

CINNAMON VINE.
Strong roots, 40 cents per doz.; \$3.00 per 100.

CLEMATIS PANICULATA.
(Japanese Virgin's Bower.)
We have an immense stock of exceptionally fine plants of this most popular of all the Clematis, and offer
Strong 2-year-old plants, \$1.50 per doz.; \$10.00 per 100; \$90.00 per 1000.

CLEMATIS MONTANA GRANDIFLORA.
The plant is of stronger growth than any other Clematis, not subject to the attacks of insects, and succeeds under the most adverse conditions. It is perfectly hardy, having withstood without the least damage in a most unfavorable position in our trial grounds. Its flowers, which resemble the Anemone or Windflower, are snow white, 1½ to 2 inches in diameter, and frequently begin to expand as early as the last week in April, continuing well through May, and are produced in such masses as to completely hide the plant. Extra strong, 2-year-old plants, 35 cents each; \$3.50 per dozen.

CLEMATIS MONTANA RUBENS.
Identical in every way with the white flowered variety, excepting in color, which is of a most pleasing shade of soft rosy red.
We offer a limited stock of strong plants, 75 cents each; \$8.00 per dozen.

EUONYMUS RADICANS VARIEGATA.
A nice lot of 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

LARGE-FLOWERING HARDY CLEMATIS.
We have again this season a fine stock of good, strong plants, two years old, own roots.
Boskoop Seedling or **Sieboldi.** Extra large lavender.
Duchess of Edinburgh. Double pure white.
Henry I. Finest large single white.
Jackman. The popular dark rich royal purple.
Madam Baron Veillard. Light rose, shaded lilac.
Ville de Lyon. Bright carmine red.
30 cts. each; \$3.00 per doz.; \$20.00 per 100.

VARIOUS CLEMATIS.

	Per doz.	Per 100
Coccinea. Two-year-old roots.....	\$1 00	\$7 00
Crispa. Two-year-old roots.....	1 00	7 00
Virginiana. Two-year-old roots.....	1 25	8 00
Integrifolia Durandi. Of semi-climbing habit, large indigo-blue flowers. 35 cts. each.		

HONEYSUCKLES.

	In. pots	Per doz.	Per 100
Variegated	2¼	\$ 60	\$4 00
"	4	1 00	8 00
"	6	1 75	12 00

IPOMOEA PANDURATA. (Hardy Moon Flower.)
Strong dormant roots, 50 cents per dozen; \$4.00 per 100.

HARDY JASMINE.

	Per doz.	Per 100
Nudiflorum. Yellow, 5-inch, pot-grown.....	\$1 50	\$10 00
Officinale. White, 5-inch, pot-grown.....	1 50	10 00
Primulinum. An introduction from China, its flowers fully double in size to J. nudiflorum; these appear simultaneously with the leaves. Strong plants, 35 cents each; \$3.50 per doz.		

LATHYRUS LATIFOLIUS.
(Everlasting Pea.)

	Per doz.	Per 100
Albus. White.....	\$1 00	\$7 00
Splendens. Rose.....	1 00	7 00
"White Pearl." A magnificent, new, pure white variety, with individual flowers fully double the size of the ordinary Everlasting Pea. These are produced in really gigantic trusses. We offer very strong roots at 20 cents each; \$2.00 per dozen.		

POLYGONUM.
Baldschuanicum. This beautiful, hardy, woody, twining plant is one of the most interesting and showy flowering climbers. Its flowers are white, and are borne in great feathery sprays at the extremities of the branches. Strong plants, 35 cents each; \$3.50 per dozen.
Multiflorum. A very desirable climbing plant, which seems peculiarly adapted to our climatic conditions. It is of strong, rapid, but not coarse, growth, frequently attaining a height of 15 to 20 feet in one season. Its bright green, heart-shaped leaves are never bothered by insects, and during September and October it produces masses of foamy-white flowers in large trusses from the axil of each leaf. \$1.50 per dozen; \$10.00 per 100.

SCHIZOPHRAGMA HYDRANGEOIDES.
(Climbing Hydrangea.)
One of the most interesting of our hardy climbers. Its flowers, which are borne in large trusses, are similar to white Hydrangea, and when in flower during July and August, make a handsome display. A limited stock of strong plants, 75 cents each.

WISTARIA SINENSIS.

	Per doz.	Per 100
Blue	\$3 50	\$25 00
White	4 00	30 00

VITIS HENRYANA.
A new climber from China, foliage similar in outline but not as large as the Virginia creeper, foliage of great substance and prettily variegated, the ground-color being deep velvety-green, while the midrib and veins are of a silvery white. 60 cts. each; \$6.00 per doz.



AMPELOPSIS LOWII.

Henry A. Dreer,

714 Chestnut St.,
PHILADELPHIA, PA.

The above prices are intended for the Trade only.

Hardy Climbers, Etc.

Mr. Florist, we suggest these to you to **MAKE SALES.** Do the same to your customers—**IT WILL PAY US BOTH.**

AMPELOPSIS Strong Dutch-Grown

Ampelopsis Veitchii (Boston Ivy). Extra-strong imported vines, 3-year-old. \$1.25 for 10, \$12 per 100.

Ampelopsis Veitchii robusta. A very compact-growing variety of the well-known Boston Ivy, and very highly recommended to us; will undoubtedly take the place of the ordinary Veitchii in the near future. \$1.75 for 10, \$15 per 100.

Quinquifolia (American Ivy, or Virginia Creeper). Good for covering walls, verandas, or trunks of trees; affords shade quickly. 25 cents each, \$1.75 for 10, \$15 per 100.

CLEMATIS

Henryi. Pure white; extra large. **Jackmanni.** Purple. **Alba.** White. **Sieboldi.** Lavender. **Ville de Lyon.** Brilliant Carmine-red; as good as Mme. Edouard Andre, but contrary to this one, is very free-growing.

Extra-strong plants, 30 cts. each, \$2.75 for 10, \$25 per 100. **Clematis paniculata.** Strong, 2-year-old plants, \$2.00 per doz., \$15 per 100.

ACTINIDIA ARGUTA

A desirable Japanese climber of strong, vigorous growth, with dark green, shining foliage and white flowers with purple centers, which are followed by clusters of edible fruit. An excellent plant for covering arbors, trellises, etc., where a rapid and dense growth is desired. Strong plants, 25 cts. each, \$2.50 per doz.

BIGNONIA (Trumpet Vine)

Radicans. Dark red, orange throat; free-blooming and very hardy. 20 cts. each, \$2.00 per doz.

ARISTOLOCHIA SIPHO

Dutchman's Pipe. Strong, field-grown, 3 to 4 feet. 35 cts. each, \$3.25 for 10, \$30 per 100.

WISTARIA SINENSIS Extra Strong. Field Grown

Blue. 6 to 7 feet. 40 cts. each, \$3.75 for 10, \$35 per 100. **White.** 6 to 7 feet. 40 cts. each, \$3.75 for 10, \$35 per 100.

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Very extra-strong, Holland field-grown plants. 6 to 8 feet long, many branches. **Halliana.** Yellow. \$3.25 for 10, \$30 per 100.

HYDRANGEA PANICULATA GRANDIFLORA

Two-year-old, 3 to 4 branches. Bushy, \$1.50 per doz., \$10 per 100.

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342 West 14th Street, NEW YORK CITY, N. Y.

GRAFTED ROSES.

Killarney, White Killarney, My Maryland, Bride, 'Maid, Richmond, Golden Gate, Mrs. Jardine and Chateau, all \$15.00 per hundred.

FIRST CLASS STOCK. IMMEDIATE DELIVERY.

Also a full line of OWN-ROOT STOCK, of all the Standard Varieties.

CHARLES H. TOTTY, MADISON, N. J.

In ordering goods please add "I saw it in HORTICULTURE."

ROSES

Our young bedding roses are in grand condition, of fine size and well grown.

Write for descriptive catalog and prices.

THE E. G. HILL CO.,
Richmond, Indiana.

HYDRANGEA OTAKSA

In Bud and Bloom

Fine plants in 6-in. pots, five to six blooms each, at 75c and \$1.00 each—according to size.

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Elegantissima Improved. Finest of this type; shows no tendency to revert to Boston. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen.

Superbissima. A very unique fern, with dark green foliage and of dense growth. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen.

Bostoniensis. 10 in., \$3.00 and \$4.00 each; 12-in., \$5.00 and \$6.00 each; larger specimens, \$7.50 to \$10.00 each—according to size.

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON, NEW YORK

GRAFTED AND OWN-ROOT ROSES

WHITE KILLARNEY (Waban Strain). Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.50 per doz.; \$8.00 per 100; \$75.00 per 1000.

KILLARNEY. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

MY MARYLAND. Grafted, \$1.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$6.00 per 100; \$60.00 per 1000.

RICHMOND, KAISERIN, BRIDES and 'MAIDS. Grafted, \$2.00 per doz.; \$15.00 per 100; \$120.00 per 1000. Own-Root, \$1.00 per doz.; \$5.00 per 100; \$45.00 per 1000.

A. N. Pierson, Inc., Cromwell, Conn.

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THE SENSATIONAL NOVELTY
Strong 2½-in. stock, \$25.00 per 100.

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2½-in., \$40.00 per 1000; 3½-in., from Bench, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

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PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

CULTIVATION OF THE POINSETTIA.

Abstract of a paper read by Harold B. Vyse, before the Morris Co. Gardeners' and Florists' Society.

Poinsettia pulcherrima is almost indispensable for Christmas decoration, and in my opinion every gardener should grow a few for that purpose. I will take this subject up from the resting period, and will endeavor to give you a brief outline of my method of cultivation, although it may differ, perhaps, from the usual pursued by some growers. I may say I have never resorted to the planting out system in benches, although I believe a good many are grown that way for cut purposes.

The resting period begins about the first week in January, lasting until the early part of May. The plants are cut back to within about 2 ft. from the pots, and then are turned over on their sides, water being withheld all the time. I place them under the carnation benches and there they remain until I start them in May. Then I usually place them under the rose benches, as near the walk as possible, so that they can get light, giving them a good soaking with water, and syringing them two or three times a day.

In two or three weeks the first batch of cuttings can be procured. I prefer cuttings about 2½ inches long, taken with a little old wood, or a "heel," as the term is often used by gardeners. There are other methods that can be resorted to if the stock of old plants is limited; that is by cutting up the old stems in the manner in which you would make vine eyes; and yet another method is to cut up the stems so that one eye is above the sand.

It is advisable, when taking cuttings, to have close at hand a little powdered charcoal and dry sand to insert the cuttings into as soon as they are taken off, to stop the sap from flowing. Get the cuttings into the sand as soon as possible so as to avoid flagging. Give a good watering and shade with papers. I find the Poinsettias very easy to root, and by making a succession of strikings, one can have plants ranging from 1 ft. to 6 ft. in height.

Under favorable circumstances, cuttings will be rooted in about three weeks. Do not leave the cuttings in the sand so long that the roots get over an inch long, otherwise they will in all probability get damaged while being potted. For the first potting, prepare a fairly light compost, using sand, leaf-soil, and loam well-mixed. Place the young plants in a shaded part of the house. As soon as they are rooted sufficiently to stand the sun, place them in the full sunlight, and when ready give them a shift into larger pots, making the compost heavier with loam, using a little sand to keep the soil open. Pot firmly. By the early part of August the plants will take their final shift into 5 or 6-inch pots. I use all loam, with a small quantity of bone meal and Scotch soot well incorporated in the soil.

When potting use the rammer freely and pot firm, for in my opinion that has a tendency towards helping the plants to hold their foliage longer than when loosely potted.

Always be very careful to insure

A BLUE ROSE

The Greatest
Rose Novelty
of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

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Mount Hope Nurseries ROCHESTER, N. Y.

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June Delivery

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation, 2½-in. pots, \$15.00 per 100; \$140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street, Philadelphia, Pa.

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FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

that they have a plentiful supply of water, for if left to get dry and flag in the hot sun, the result will be a crop of scorched foliage. Spray the plants overhead several times a day in bright weather. Some have the idea that the Poinsettia needs high feeding; that, I find, is a mistake. Two applications of Clay's fertilizer at intervals of two weeks is ample to finish off good bracts, say from 14 to 19 inches across, in 5 or 6-inch pots.

The Poinsettia is not very susceptible to the ravages of insects, mealy bug being its worst enemy. Even this can be ward off if a careful watch is kept, never allowing the pests to gain headway. An occasional spraying of X L All or some other good insecticide will keep them clean.

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Big Returns**

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

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Anemone Japonica, Autumn Queen.....	.85
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" Queen Charlotte.....	.85
" Prince Henry.....	1.25
Nierembergia Rivularis, strong.....	1.00
Arabis Alpina compacta, strong field grown.....	.85
Arabis Alpina superba grandiflora.....	.85
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Incarvillea grandiflora.....	1.25
Delavayi.....	1.25
Phlox divaricata.....	1.00
Lapham Perry's var.	1.50
Miss Lingard, strong.....	1.00
discussata, splendid mixed.....	.75
Pyrethrum roseum, mixed colors.....	1.00
Rudbeckia Golden Glow.....	.75
Hydrangea Otaksa.....	\$5.00 and \$7.50

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THE YOKOHAMA NURSERY CO.
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Michell's Chinese Primrose

We have a very choice strain of Primula, which is grown for us by the leading Primula Specialists in England and Germany. Flowers of extra large size, and beautifully fringed.

	1/2 Trade Pkt.	Trade Pkt.
Alba Magnifica. White.....	\$0.60	\$1.00
Chiswick Red. Brilliant Red.....	.60	1.00
Holborn Blue.....	.60	1.00
Kermesina Splendens. Crimson.....	.60	1.00
Rosy Morn. Pink.....	.60	1.00
Michell's Prize Mixture.....	.60	1.00

CINERARIA

The Cineraria seed offered by us is the best procurable. Immense trusses of the largest flowers are produced. Our strains have been awarded numerous First Prizes.

	1/2 Trade Pkt.	Trade Pkt.
Grandiflora Prize Dwarf. Mixed.....	\$0.60	\$1.00
Grandiflora Prize Medium Tall. Mixed.....	.60	1.00
James' Giant Strain. Mixed.....	.60	1.00
Hybrida Choice Mixed.....	.30	.50

Our Wholesale Catalogue free for the asking

HENRY F. MICHELL CO. 518-1018 Market St., Philadelphia, Pa.

Seed Trade

Results of Cold Snap.

It seems to be the consensus of opinion that the recent cold wave did much less damage than was feared. Undoubtedly considerable damage was done to fruit in many sections, but, so far as can be ascertained, the injury to planted crops has been comparatively slight, all of which proves the tendency to exaggerate every calamity and the necessity of waiting for reasonable proof before getting excited.

As expected, there have been a few complaints of unsatisfactory germination of peas, but in the majority of instances this trouble can be traced directly to unfavorable conditions of soil and weather. In many sections there have been severe frosts and snows from a few inches to a foot in depth since peas were planted, and it is not surprising, under such conditions, that the germination is not of the highest. It should not require a very high degree of intelligence to figure this out; but the disposition to blame someone for our failures is predominant in most of us.

Pea Prospects.

Speaking of peas, we learn that they are in full bloom in Maryland and Delaware, and it is expected that picking and canning operations will begin by the middle of May. This will be a very early start, almost—if not quite—establishing a new record. Prospects for a good crop are said to be excellent and it may be added here that crop conditions generally, as affecting peas, are good up to this time.

While not exactly a part of the seed

business, it is interesting to note that Maryland strawberries will undoubtedly be in the market by the 15th, which is also unusually early. There is promise of a fine crop and indications are that the fruit will be of excellent quality.

Maule Expands.

For several years William Henry Maule, the well-known Philadelphia mail order seedsman, has worked under a handicap of a lack of room. A considerable part of his seed business has been carried on in a building owned by him on Market street, and in which are the offices of his paper, The Practical Farmer. Recently Mr. Maule has leased the building immediately adjoining his main office at 1711 Filbert street and, as this will give him five additional floors, it will help to solve the problem he has been wrestling with for several years. He proposes to cut doors through from his building into the next on each floor, and when his plans are perfected he will be enabled to employ a larger force during the annual spring rush and will probably be prepared to take care of all business within twenty-four hours after his orders are received.

Mr. Maule is one of the most progressive, and it may be added, aggressive, men in the seed business, and there are few improvements of a practical character that he does not avail himself of.

The Burpee Premiums.

In our issue of March 12, commenting upon the numerous large premiums offered by W. Atlee Burpee annually for competition in vegetables and flowers at state and county fairs, George C. Watson wrote as follows:

"As there is no mention of horticultural societies (or other similar organizations) it is presumed that only state and county fair secretaries come under the provisions of the offer. There may be good reasons

for this limiting, yet it seems to us it might be broadened; not only for the advancement of horticulture under the auspices of horticultural and floricultural associations—as distinct from county fairs; but for the benefit of the business of the generous donors.

"We will be glad to hear from Mr. Burpee as to his reasons for excluding these associations—that is, if we are correct in assuming that he does so limit his offer."

In reference to the above Mr. Earl has written in explanation, as follows:

"Some time ago there appeared in the columns of that bright paper, HORTICULTURE, a paragraph or two asking why we did not allow different horticultural societies to offer at their several exhibitions the special Burpee cash premiums as they are offered annually by us at state and county fairs. Without giving you the names of the different societies, we have for several years past done all we possibly could to encourage the holding of flower shows especially when they made a specialty of sweet peas but as to our offering these premiums broadcast we do not think it would be wise, as there is no way by which we can tell just where to draw the line. As a rule when any of the officials interested in flower shows write us they generally obtain some sort of a premium to offer in our name whether the premium consists of cash or some of our books on horticultural topics or, as is sometimes the case, a piece of silver."

Mr. Earl further asks for suggestions as to how his house could best proceed to extend even greater encouragement than heretofore, to the holding of horticultural shows and fairs without waste of time and money.

We might say that it should not be forgotten that the Burpee premiums, while liberal, are all for the products of Burpee's seeds—so that the donor would be the gainer whoever won them. Why is a county fair in a little community so much preferable from a business standpoint to a horticultural show in a big town? That is the main question asked by Mr. Watson and Mr. Earl's letter does not quite answer it.

Through wise advertising, splendid organizing ability and enterprise that knew no limitations, the Burpee estab-

lishment has grown to be far more than a mere mail order house. It is today a national institution with a field and scope reaching beyond and above the county fair. The same hearty response would be forthcoming from the big metropolitan and national shows as from the county fairs, at the mere mention of "Burpee premiums." We think Mr. Watson's suggestion is worth considering, even for a house already so widely and favorably known as W. Atlee Burpee & Co.

Notes.

A. F. Hills, formerly with A. T. Bodington, has accepted a position with W. W. Rawson & Co. of Boston.

Baker City, Ore.—H. G. Hyde has purchased the retail business of the Bergman Commission & Seed Co.

Newark, N. J.—We learn that a young man employed by I. N. Simon & Son, Philadelphia, and who was in charge of their Newark, N. J., store, recently committed suicide via the gas route. We have not learned this young man's name in full, but he was familiarly known as Max. No reasons have been given why he should have committed the rash act while still young, with every inducement to live, but we may certainly extend sympathy to his friends and relatives.

CATALOGUES RECEIVED.

Barnes Bros.' Nursery Co., Inc., Yalesville, Conn.—Descriptive Illustrated Catalogue of Fruit and Ornamental Trees and Shrubbery. Ably advocates the planting of dwarf trees.

VEGETABLE PLANTS

	Per 100	Per 1000
BEET PLANTS	25c.	\$1.25
EGG PLANTS	40c.	2.00
PEPPER PLANTS, Bull Nose, Sweet Mountain and Ruby King	40c.	2.00
TOMATOES, Small Plants, Earliana, Early Jewel, Dwarf Stone and Champion, Poncrosa and Matchless	30c.	2.00
TOMATOES, Small Plants, Stone, Paragon, Favorite and Success	20c.	1.00
CABBAGE, full list of leading varieties, 20c. per 100, \$1.00 per 1,000, and for 10,000 and over, 85c. per 1000.		
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, 20c. per 100, \$1.00 per 1000, 10,000 and over at 85c. per 1000.		

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White Marsh, Md.

Cabbage Plants

Early Jersey Wakefield cabbage plants, \$1.50 per M., \$12.50 per 10,000.

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to give us a trial on Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.

We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.,** 1215 Betz Bldg., Philadelphia, Pa.
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ONION SETS **Get Our Prices** 79 and 81
FLOWER SEEDS **E. KINZIE STREET, CHICAGO**

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Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

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Price list free on request.

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LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.

Longangsstraede 20,
COPENHAGEN, DENMARK.

PLANT NOW

	1000	100
Gladiolus America	\$35.00	\$4.00
" Augusta	15.00	2.00
" May	13.00	2.00
Caladium Esculentum 7	35.00	4.00
9 11	20.00	3.00

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We are booking orders now for Harrisii and Formosum and other Japan Lilies, also Roman Hyacinths and Paper White Narcissus.

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NEW PRICE LIST

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\$1.00 Trade Pkt.

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Blue List of Wholesale Prices mailed only to those who plant for profit.

CHOICE SEEDS

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Stocks, Asters, Chinese Primulas, etc.

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H. E. Fiske Seed Co.,
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We Would Announce the Opening of our New Store

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High Grade Seeds, Bulbs and Plants

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**Artistic Designs . . .
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D. C.

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Delivered on mail or telegraph order for
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Pres.

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WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.
ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

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NEW FLOWER STORES.

Portland, Ore.—R. C. Cook, 122
Third street.

Easton, Pa.—Chas. H. Buening, 5
Central square.

Long Branch, N. J.—W. W. Kennedy
& Sons, 232 Broadway.

Providence, R. I.—William Hay,
Washington and Clemence streets.

New York, N. Y.—Charles Walch,
1084 Amsterdam avenue.

Cincinnati, Ohio.—George Trome, 6th
and Walnut streets; Robert Ergot,
manager.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....May 13

Atlantic Transport.

Minnewaska, N. Y.-London...May 14

Cunard.

Ivornia, Boston-Liverpool....May 10

Mauretania, N. Y.-Liverpool...May 11

Caronia, N. Y.-Liverpool....May 14

Carpathia, N. Y.-Med't'n....May 19

French.

La Savoie, N. Y.-Havre.....May 12

Hamburg-American.

Pennsylvania, N. Y.-Hamb'g...May 11

Leyland.

Canadian, Boston-Liverpool....May 11

North German Lloyd.

K. Wilhelm II, N. Y.-B'm'n....May 10

Bremen, N. Y.-Bremen....May 12

K. W. D. Grose, N. Y.-B'm'n...May 17

Koenig Albert, N. Y.-Med't'n...May 14

Red Star.

Finland, N. Y.-Antwerp....May 7

Vaderland, N. Y.-Antwerp...May 14

White Star.

Arabic, N. Y.-Liverpool....May 7

Baltic, N. Y.-Liverpool....May 14

Teutonic, N. Y.-Shampton...May 11

Romanic, Boston-Med't'n....May 14

Cymric, Boston-Liverpool....May 17

ST. LOUIS NOTES.

Ed. Gerlach, manager for C. A. Kuehn, has resigned his position and will enter the paper firm of Hagen & Co.

Miss Rose O'Connor has opened a floral store at Broadway and Rutger streets, where she has been doing a nice business of late.

The Oakland Floral Co. at East Kirkwood, Mo., are erecting four new houses which will be 28 x 200. Robert Thompson is doing the building. They will have when the new ones are completed 23,000 feet of glass.

Mr. Pierre Schneider reports that he has resigned his position with A. C. Canfield at Springfield, Ill. and accepted a position as foreman for the Oakland Floral Co., at Kirkwood, Mo. Mr. Schneider is glad to get back to St. Louis where he has many good friends in the trade.

Theo Miller is putting in a new front in his store at Delmar and Euclid avenue. It will be on the mission order and when completed will be very attractive.

Newburgh, N. Y.—A newly organized firm, under the name of Caldwell & Jespersion, have leased the Newburgh Floral Company's Greenhouses and will carry on a wholesale and retail trade.

ALEX. McCONNELL

571 FIFTH AVENUE
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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N. Y.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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194 Boylston Street, Boston



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550 South Fourth Ave.

THE BEST LETTERS

FOR **R** THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

NEW ENGLAND**FLOWER DELIVERIES**

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN

124 Tremont St., Boston

MATTHEWS The FLORIST
DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission

14 Bromfield Street, Boston.
Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

In ordering goods please add "I saw it in HORTICULTURE."

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2 Night 44-3.

GEO. A. HEINL, TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention HORTICULTURE when you write

LOVE AND FLOWERS.

Shrewd Sayings of Mrs. Solomon.

My daughter, wouldst thou know a man's secret? Go to the florist, then, oh simple one, for in him every man repositeth his confidence.

Yea, by the flowers which he sendeth a woman shall ye judge the quality of a man's love, likewise the quantity and the exact stage.

As violets pass unto roses and roses unto cheap carnations, and carnations unto nought, so passeth his grand passion, from the first throes into matrimony.

Lo, at the beginning of a love affair, mark with what care a man selecteth his flowers in person, that not a wilted violet shall offend thine eyes!

Yet, as time passeth, he telephoneth his orders and leaveth it all to the clerk. And there cometh a day when he mureth wearily, "I say, old chap, just make that a standing order, will you?"

Then the florist heaveth a sigh, for he knoweth that the end is at hand. Yea, this is the mark of an engaged man who doeth his duty. So after the wedding bouquet all orders shall cease together; and until he seeketh flowers for his wife's grave, that man shall not again enter a florist's shop.

For stale carnations, bought upon the street-corner and carried home in a paper bag, are a fit offering for any wife. Yet a funeral rejoiceth the florist's heart and maketh him to smile, for he knoweth that a widower's next order shall be worthy of a new cause, and the game shall begin all over again.

Verily, verily, my daughter, I charge thee, account no man in love until he hath gone forth into the gardens and the fields and plucked thee a few dinky pansies or stray weeds with his own hands.

For when a man sendeth thee violets it may mean only sentiment, and when he sendeth thee orchids it may be only a bluff, but when he doeth real work for any woman it meaneth business. Selah!—*London Tidbits.*

NEWS NOTES.

Syracuse, N. Y.—Phillips & Koecher now conduct the business at 213 Helen street, formerly owned by G. M. Phillips.

Providence, R. I.—Olney H. Williams, who has greenhouses at Pocasset, has closed his store on Matthews street.

Newton, Kans.—Ellwood and Norval Klein, who sold their business to Wm. Hasselmann, are now with Jos. Stamm at Hutchinson.

San Francisco, Cal.—The store opened by Frank Claverie, California and Devisadero streets, discontinued after one week.

Montreal, P. Q.—A city ordinance having been passed ordering the closing of all retail places of business in Montreal, with certain specified exceptions, at 7 o'clock on every Wednesday and Thursday evening, has been disregarded by the Canadian Floral Co., and the case has gone into the courts for a test. Mr. Hay, of the Canadian Floral Co., claims that the peculiar exigencies of the florist business place it in the same class as the drug, fruit, cigar and other industries which have been exempted from the provisions of this law.

PERSONAL.

Walter Paul is now with W. D. Faulk, Homestead, Pa.

Bertram O. Moody has accepted a position as florist in Agawam, Mass.

Ed. Roehrs, of Rutherford, N. J., returned from England on the Mauretania, May 5.

E. Rober will start in business on his own account, taking H. F. Port's place at Maywood, Ill.

George Eickhorn is now with F. Ueberle. He formerly ran a stand in the market, at Pittsburgh, Pa.

William Moran, late with Galvin, of Boston, has taken a position with The Rockville Floral Co., Rockville, Conn.

Robert Ergot, formerly with the Cincinnati Floral Co., is now manager for George E. Tromey, Cincinnati, Ohio.

P. J. Brackenburg is now with Charles Mueller of Wichita, Kans. He was formerly with the George M. Kellogg Flower & Plant Co.

Fred Fromhold of Kansas City, Mo., and Miss Rose of St. Joseph, Mo., were married April 17. Mr. Fromhold is manager of the W. L. Rock Flower Co.

A letter informs us that R. Vincent, Jr. and party arrived safely and well at London and at once proceeded on their journey to Holland. After doing the Haarlem Jubilee Show they will go to Brussels where the exhibition at that place will also be inspected.

Boston visitors—W. H. Hay, of Canadian Floral Co., Montreal, P. Q.; J. Muller, representing Julius Roehrs Co., Rutherford, N. J.; E. J. Fancourt, representing Pennock-Meehan Co., Philadelphia; George G. A. White, representing R. M. Ward & Co., New York.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—Hauswirth, "The Florist," 232 Michigan Ave.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.
New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toledo, Ohio—George A. Hehl.

Toronto, Can.—J. H. Dunlop, 96 Young St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

BEAUTIES

The Best \$3.00 per doz.
Excellent quality; large flowers of good color.

PEONIES

\$6.00 and \$8.00 per 100.
Fancies \$10.00 per 100.

Can supply them now in most any quantity.

NEW CROP DAGGER FERNS

\$2.50 per 1000.

The best in the market.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality. Any Quantity

\$10.00 per 100

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO May 3	TWIN CITIES May 3	PHILA. May 2	BOSTON May 3
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 30.00	30.00 to 35.00	17.00 to 20.00	25.00 to 35.00
" Extra	15.00 to 20.00	20.00 to 30.00	15.00 to	15.00 to 20.00
" No. 1	10.00 to 15.00	12.00 to 20.00	10.00 to	10.00 to 15.00
" Lower grades	5.00 to 10.00	8.00 to 12.00	5.00 to 8.00	3.00 to 8.00
Bride, 'Mald, Chatenay, F. & S.	5.00 to 8.00	5.00 to 8.00	8.00 to 10.00	5.00 to 8.00
" Lower grades	3.00 to 5.00	3.00 to 5.00	3.00 to 6.00	1.00 to 5.00
Killarney, My Maryland, Fan, & Sp.	5.00 to 8.00	8.00 to 10.00	8.00 to 10.00	6.00 to 12.00
" Lower grades	3.00 to 5.00	5.00 to 8.00	3.00 to 6.00	1.00 to 5.00
Richmond, Fancy & Special	5.00 to 8.00	6.00 to 8.00	10.00 to 15.00	6.00 to 12.00
" Lower grades	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	1.00 to 5.00
CARNATIONS, Nov. and Fan.				
Ordinary	2.50 to 3.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
	1.50 to 2.00	1.50 to 2.00	2.00 to 3.00	1.00 to 2.00
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	50.00 to 60.00	60.00 to 70.00	40.00 to 60.00
Lilies	10.00 to 12.00	10.00 to 12.50	10.00 to 12.00	6.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	1.00 to 3.00
Daffodils	3.00 to 4.00	2.00 to 3.00	..... to	1.00 to 1.50
Tulips	1.00 to 2.00	2.00 to 3.00	..... to	1.00 to 1.50
Daisies .....	.50 to 1.00	.75 to 1.25	1.00 to 2.00	1.00 to 2.00
Snapdragon	3.00 to 5.00	6.00 to 8.00	6.00 to 15.00	2.00 to 4.00
Hyacinths	2.00 to 4.00	3.00 to 4.00	..... to	2.00 to 4.00
Mignonette	2.00 to 4.00	3.00 to 4.00	3.00 to	2.00 to 4.00
Sweet Peas .....	.75 to 2.00	.75 to 1.50	.75 to 1.00	.25 to 1.00
Gardenias	20.00 to 25.00	25.00 to 35.00	5.00 to 15.00	8.00 to 12.00
Adiantum .....	..... to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.50
Smilax	10.00 to 12.00	12.00 to 14.00	25.00 to	12.00 to 16.00
Asparagus Plumosus, strings (100) ..	50.00 to 60.00	45.00 to 60.00	50.00 to .....	..... to 50.00
" " & Spreng. (100 bchs.) ..	20.00 to 30.00	25.00 to 35.00	50.00 to .....	..... to 50.00

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

FLOWERS AND GREENS!

In our **GREENS DEPARTMENT** we have New Crop Dagger and Fancy Ferns, \$1.50 per 1000; Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, *Nephrolepis magnifica*; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.
9 Chapman Place,

LONG DISTANCE PHONES, 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

ALWAYS GOOD, FRESH STOCK.

Long Distance Phone Randolph 2758. Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. **Roses and Carnations Our Specialty**

Flower Market Reports.

BOSTON Business was pretty quiet all through the first half of this week, but it has picked up nicely, beginning with Wednesday, and the prospects are excellent for a satisfactory wind up. The dark weather of the past few days has shortened up the supply very materially and has retarded the outdoor stock which, had the warm weather continued, would have encumbered the market at a time when there is little demand for it. Quality is good, as a rule, and the cold-house roses, such as Kaiserin and Carnot, are superb in every way. The call for white carnations is quite strong at present and prices are on the up-grade for any good stock.

The market showed a slight improvement over the previous week. Stock is not as plentiful as could be desired and there is no reason to look for any immediate increase. The one hot day following the continued rain caused the plants to suffer from thrips. There is not at this time any outdoor stock coming into the market which is really salable. In fact lilacs are the only flowers offered and they are frost-bitten and poor. It is predicted that white carnations will be in great demand and supply short during the latter half of the week. Last year the quantity used for Mothers' Day was large and this year the orders are coming earlier. Prices have advanced to five and six cents at present writing. Lilies continue scarce. The first peonies are arriving in fine shape and as usual are queen of the windows. Snap dragons are selling fairly well. The stems are long but not so stiff as a few weeks ago. Gladioli, in light shades as well as the bright red, are a welcome addition and a boon to the florist needing a stately flower. Asparagus plumosa is getting a little scarce and there is no excess of green of any kind. There has been an unusual scarcity of sphagnum moss the past month. Some of the large retail houses have resorted to excelsior to fill their designs.

A few warm days following the recent cool snap has brought in an abundant supply of Beauties and Tea roses which are moving nicely, although at reduced prices. The cut of carnations has also increased with white bringing the highest price, the quality for this season of the year being very good. Both outdoor and indoor lily of the valley are moving nicely as are also callas and Harrisii lilies. The demand for sweet peas is still in excess of the supply. Antirrhinum and daisies find a ready market. Local grown peonies made their first appearance of the season on Monday, while bulbous stock is a thing of the past. All green goods are in good supply. A. O.

Detroit reports continued cold, rainy weather has kept the supply down for the past week and, with a very good demand in general, prices have ranged higher and firmer than in previous years at corresponding date.

(Reports continued on page 709)



WINDOW BOX TIME

We offer below a few seasonable items for Window Boxes, Baskets, Porch Boxes, Etc.

CEDAR BARK.

Have you plenty of Cedar Bark? Bundles of about 25 square feet, \$1.00 each. Special price in quantity.



SEASONABLE PLANT OFFERING

BOXWOODS, pot grown, imported stock, nice thrifty plants for window boxes and similar purposes, or for planting out, 35c, 75c, \$2.50 each.

CROTONS, 5 in. pots, 50c; 4 in. pots, 25c each.

PANDANUS VEITCHI, 6 in. pots, \$1.00 each.

CRIMSON RAMBLER ROSES, 7 in. pots, 3 years old, well set with buds, 50c, 75c, \$1.00, \$1.50 each.

DOROTHY PERKINS and TAUSENDSCHON RAMBLEWS, well set with buds; 6 inch pots, 75c each.

GARDENIAS for planting for next fall crop of flowers, 2 1/4 inch, \$10.00 per 100; 4 inch, \$15.00.

HINODEGIRI (dwf brilliant red Azalea), 7 in. pots, \$1.50, \$2.00 each; 10 in pots \$2.50, \$3.00 each.

HYDRANGEAS, pink, 8 in pots, 35c, 50c, 75c, \$1.00 each; 4 year specimens, 4 feet high, \$7.50 each.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW STREET,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	May 3		May 3		May 3		May 3	
ROSES								
Am. Beauty, Fan, and Sp.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
“ Extra.....	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00	15.00	to 18.00
“ No. 1.....	8.00	to 15.00	12.00	to 18.00	8.00	to 10.00	8.00	to 12.00
“ Lower grades.....	4.00	to 6.00	4.00	to 10.00	2.00	to 4.00	4.00	to 6.00
Bride, 'Maid, Chateauf, F. & S....	4.00	to 6.00	6.00	to 10.00	.....	to 8.00	6.00	to 10.00
“ Low gr.....	2.00	to 4.00	3.00	to 6.00	2.00	to 6.00	2.00	to 4.00
Killarney, My Maryland, Fan, & Sp.	4.00	to 6.00	6.00	to 10.00	8.00	to 10.00	6.00	to 15.00
“ Lower grades.....	2.00	to 4.00	3.00	to 6.00	2.00	to 4.00	3.00	to 6.00
Richmond, Fancy & Special.....	4.00	to 6.00	6.00	to 10.00	8.00	to 10.00	8.00	to 12.00
“ Lower grades.....	2.00	to 4.00	3.00	to 6.00	3.00	to 5.00	4.00	to 6.00
CARNATIONS, Novelties and Fancy..... to 3.00								
“ Ordinary.....	..... to 2.00	.....	1.50 to 2.00	.....	1.00 to 2.00	.....	3.00 to 5.00	.....
MISCELLANEOUS								
Cattleyas.....	..... to	60.00 to 75.00	..... to .....	..... to 75.00	..... to .....	..... to .....	..... to 75.00	.....
Lilies.....	8.00 to 12.50	12.50 to 15.00	10.00 to 12.50	6.00 to 10.00	..... to 12.50	6.00 to 10.00	..... to 10.00	.....
Lily of the Valley.....	2.00 to 1.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	.....
Daffodils.....	..... to 2.00	3.00 to	1.00 to 2.50	.75 to 1.50	..... to 2.50	..... to 1.50	..... to 1.50	.....
Tulips.....	1.00 to 3.00	3.00 to	1.00 to 2.50	..... to .....	..... to 2.50	..... to .....	..... to .....	.....
Daisies.....	.25 to .50	.75 to 1.50	1.00 to 2.00	.75 to 1.00	..... to 2.00	.75 to 2.00	..... to 2.00	.....
Snapdragon.....	2.00 to 8.00	2.00 to 6.00	4.00 to 6.00	6.00 to 8.00	..... to 6.00	6.00 to 8.00	..... to 8.00	.....
Hyacinths.....	..... to .....	..... to .....	..... to .....	..... to .....	..... to .....	..... to .....	..... to .....	.....
Mignonette.....	2.00 to 3.00	3.00 to 6.00	2.00 to 3.00	2.00 to 4.00	..... to 3.00	2.00 to 4.00	..... to 4.00	.....
Sweet Peas.....	.50 to .75	.50 to .75	.50 to 1.00	.50 to 1.00	..... to 1.00	.50 to 1.00	..... to 1.00	.....
Gardenias.....	..... to	20.00 to 25.00	15.00 to 25.00	25.00 to .....	..... to 25.00	..... to .....	..... to .....	.....
Adiantum.....	..... to 1.00	1.00 to 1.50	.75 to 1.00	.75 to 1.00	..... to 1.00	.75 to 1.00	..... to 1.25	.....
Smilax.....	..... to 12.50	15.00 to	15.00 to 20.00	20.00 to .....	..... to 20.00	..... to .....	..... to 20.00	.....
Asparagus Plumosus, strings (100)	35.00 to 50.00	25.00 to 50.00	50.00 to 60.00	30.00 to 50.00	..... to 30.00	30.00 to 50.00	..... to 50.00	.....
“ “ & Spreng (100 bchs.)	25.00 to 35.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	..... to 30.00	30.00 to 30.00	..... to 30.00	.....

FORD BROTHERS

48 West 28th Street NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

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Telephone, Main 58.**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR**
LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

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Telephone—3532-3533 Madison Square

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ORCHIDS A SPECIALTYTHE HIGHEST
GRADE OF **VALLEY** ALWAYS
ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

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JAMES McMANUS, 759 Mad. Sq., 42 W. 28th St., New York**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York CityOpen from 5 a. m. to 6 p. m. Sunday
till 10 a. m.

Tel 5243 and 2021 Madison Sq. Res., 345 J., Newtown.

Finest Lilies in the Market Every Day in the Year.**CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES AND CARNATIONS	Last Half of Week ending Apr. 30 1910		First Half of Week beginning May 2 1910	
American Beauty, Fancy and Special.....	15.00	to 25.00	15.00	to 25.00
" " Extra.....	8.00	to 12.00	8.00	to 12.00
" " No. 1.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Bride, 'I'aid, Golden Gate, Fancy and Special.....	4.00	to 5.00	4.00	to 5.00
" " Lower Grades.....	1.00	to 3.00	.50	to 3.00
Killarney, Fancy and Special.....	3.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	1.00	to 2.00	.50	to 3.00
Richmond, Fancy and Special.....	8.00	to 10.00	8.00	to 10.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 4.00
Fly Maryland.....	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy and Novelties.....	2.00	to 3.00	2.00	to 4.00
" Ordinary.....	.75	to 1.00	1.00	to 1.50

Alexander J. Guttman**THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET****PHONES. 1664--1665 MADISON SQUARE****ENOUGH SAID**CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh cut
Cycas and Palmetto.

Tel. 1519 Mad. Sq. 113 W. 28 St., New York.

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

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Flower Market Reports

(Continued from page 709)

Tendency this week is in the direction of surpluses and lower figures on all but the few select high-grade flowers which are sold in so small quantities as to make very little impression on the final average. Warmer weather is now surely due and its advent is certain to embarrass the market as there is a big reserve crop of outdoor and indoor material which has been held back by the prevailing dark and generally chilly weather. Quality is good, as a rule, in all lines. Roses are excellent, the weather conditions suiting them exactly. Cattleyas are very fine with a tendency to reduced supply. Sweet peas are increasing in quantity and there are now more than enough to go around. Lilies very plentiful. Bulbous material from out of doors on the wane.

PHILADELPHIA

As the season advances there is now very little hope left for any general advance in prices. There may be a slight spurt in spots from time to time until the summer arrives in real earnest but the bolt is shot for this season and all concerned may as well make up their minds to digest their medicine and be as philosophical under the circumstances as they can. While stock was plentiful last week there was no great over-supply. A few cool days had a tendency to prevent a glut, and the demand has kept up all right. American Beauty roses continue of fine quality and in good supply. Richmonds are also good and there are a few Libertys of the new crop commencing to arrive. Not enough to be a factor in the market as yet but enough to show fine quality and good promise. Kaiserin tops the list in white roses with White Killarney and Bride good seconds. Jardine leads among the pink varieties and Maryland is also very good. Harry Kirk and Duchess of Wellington are two new yellows that have appeared on the market recently and meet with good favor. Both are Dickson introductions. Carnations are in good supply and there appears excellent prospects for some extra business in these (whites especially) towards end of week. The "Mothers Day" fad, May 8th, is the stimulating influence in

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MISCELLANEOUS	Last Half of Week ending Apr. 30 1910		First Half of Week beginning May 2 1910	
Cattleyas.....	35.00	to 50.00	35.00	to 60.00
Lilies.....	2.00	to 5.00	3.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Trumpet Narcis.....	.50	to 1.50	.50	to 2.00
Tulips.....	1.00	to 3.00	1.00	to 3.00
Lignonette.....	1.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bchs).....	4.00	to 6.00	4.00	to 6.00
Gardenias.....	4.00	to 12.00	4.00	to 12.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Spreng. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

that connection. Orchids are scarce. Outside sources have been called on—the past few days—to augment local supplies. Peonies have made their advent. The red and pink officinalis and the red tenuifolia are the only varieties so far; but Festiva is well advanced and may be looked for about the 15th if the weather keeps good. Lilac, outdoor crop from near by sources is over; but there are already plenty of fine snowballs to be had.

PHILADELPHIA NOTES.

New crop American Beauty roses from outside sources have been arriving at McKissick's the past week—grand flowers and perfect foliage.

H. F. Michell Co. are exceedingly busy at present but not so forgetful as to omit asking us to remind our florists friends that May is the time to sow cineraria seeds. Verb: sap.

M. Rice, of M. Rice & Co., writes from Berlin that he has landed some special good things for florists' use for the coming season. He expects to sail for home May 22nd on S. S. President Grant.

C. P. Poryzees of the Poryzees Floral Co., sailed for Greece on the 3rd inst. on the S. S. Patris. He will return in September. The business in the meantime will be in charge of his brother Stephen.

J. Monroe Palmer of Kennett, will build two houses 128 ft. x 140 ft. for carnations. The materials will be

supplied by Lord & Burnham Co., the contract having been secured last week through their local agent D. T. Connor.

Robert Scott & Son will tear down four or five old houses this summer, having given up the growing of plants for the mail order trade. They will devote themselves more largely to commercial cut flowers and will be able to give increased attention to the Dickson roses. We understand new building is deferred for the present as Alex. B. Scott the head of the firm has to start shortly on a trip to Europe.

The wicked types have been at it twice again. First they have put an M for an N in Norristown in our news note about Alexander Cumming last week. Mr. Cumming's correct address is—Red Rose Nurseries, Center Square P. O., Montg. Co., Pa. The property he has secured is a part of the estate of the late Wm. F. Singler, proprietor of the "Phila. Record." The second instance was in crediting the verses "Counting the Cost," printed in our last issue, to T. A. Daly instead of S. W. Gillillan. Both gentlemen are talented poets. Our sincere apologies to the bard of Wingohocking and the bard of Baltimore.

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Asparagus Sprengerii, \$15.00 and Plumosus, \$25.00 per 1000. Albert M. Herr, Lancaster, Pa.

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Thousands of Geraniums, mixed, all double; 2½-in., \$2.50 per 100; 3-in., \$4.00 per 100. Mme. Sallerol, out of 2-inch, fine plants, \$2.00 per 100. Verbenas, out of 2-inch, separate colors or mixed, \$2.00 per 100. Seedling Verbenas, five separate colors, or mixed, \$10.00 per 1000. Geraniums in 4-inch pots, \$8.00 per 100. H. J. Blanchard, Ashburnham, Mass.

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GREENHOUSE BUILDING MATERIAL

- Lord & Burnham Co., 1133 Broadway, New York.
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- A. T. Stearns Lumber Co., Neponset, Boston.
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- King Construction Co., N. Tonawanda, N. Y.
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- Hitchings & Co., 1170 Broadway, N. Y.
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- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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- S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.
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GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

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- H. M. Robinson & Co., Boston, Mass.
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- The Kervan Co., New York.
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- Rice Bros., Minneapolis, Minn.
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HARDY PERENNIALS

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- Heliotrope R. C., prepaid, 75c. per 100. Chas. Frost, Kenilworth, N. J.

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- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Hydrangea Otaksa.
For page see List of Advertisers.
- Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2 1/4-inch pots at \$3.00 per hundred, one year field grown strong 12 to 18 inches, \$6.00 per hundred, \$55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.
- Hydrangea Otaksa, very strong, rooted cuttings, ready for 3 in. pots, \$2 per 100. Strong 3 in. pot plants, \$4 per 100. F. J. Langenbach, Florist, Norwich, Conn.

INSECTICIDES.

- Nicotide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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- Stump & Walter Co., New York.
Kilmdead Tobacco Dust.
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- B. G. Pratt Co., 50 Church St., New York.
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- Aphne Manufacturing Co., Madison, N. J.
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- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

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- A. Leuthy & Co., Roslindale, Mass.
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- Jos. Hancock Co., Wyncote, Pa.
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- Home Correspondence School, Springfield, Mass. Dept. 8.
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- R. Vincent, Jr. & Sons Co., Whitmarsh, Md.
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- Lemon verberna rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

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- Hjalmar Hartmann & Co., Langangstraede 20 Copenhagen, Denmark.
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- Maurice J. Brinton, Christiana, Pa.
Norway Spruce.
- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

OLD ENGLISH GLAZING PUTTY

- Hammond's Paint & Slug Shot Works, Fishkill-on-Hudson, N. Y.

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Importer, Exporter, Growers, Hybridists.
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- G. L. Freeman, Fall River, Mass.
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- Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs, Rutherford, N. J.

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ORCHID PLANTS — Continued

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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PANSY PLANTS.

Ready now. 250,000 fine large fall transplanted Pansies in bud and bloom. Superb strain, the finest market strain grown. A trial order will convince you that these are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10.00 per 1000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

Pansy plants, Kenilworth strain, from fall sown seed, 50c. 100 prepaid; large, \$1.00, \$3.00 and \$8.00 per 1000 by express; extra large, \$1.50 per 100. Chas. Frost, Kenilworth, N. J.

Pansy plants—choice, fancy, large plants in bud and flower, \$8.00 per 1000. Union Gardens, Amherst, Mass.

5000 Pansies, 2 inch pots. Write Locust Street Greenhouses, Oxford, Pa.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped at low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.

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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

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PELARGONIUMS

200 Pelargoniums, 4 in., large plants, mostly budded, good variety, 10c. Cash. W. J. Schoonman, Florist, Danielson, Conn.

PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

Double Petunias.

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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

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Henry A. Dreer, Philadelphia, Pa.

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Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

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George C. Watson, Philadelphia, Pa.
Golden Privet.

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Hardy Climbers.

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Grafted and Own Root Roses.

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The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SALVIA

Salvia splendens and Bonfire transplanted seedlings. Prepaid 75c. per 100. Chas. Frost, Kenilworth, N. J.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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Chas. J. Jager Co., Boston.
Dewing Spray Pump.
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STEVIA

Stevia rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

STOCKS

Ten-weeks' stocks, white, dark blue, crimson, 2½ in., \$2.00 per 100.
P. Pearson, 1725 N. Campbell Ave., Chicago.

STRAWBERRY PLANTS

Strawberry Plants and Asparagus Roots. All the leading varieties, and at prices that are right. Catalog free. C. Peirce, Dighton, Mass.

STROKUM TREE BINDING

George Stratford Oakum Co., Jersey City, N. J.

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In writing to Advertisers kindly mention Horticulture

VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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Strong 2-yr. field-grown Palmetto asparagus roots, \$1.00 per 100; \$4.00 per 1000.
Russell Bros., Syracuse, N. Y.

Cabbage plants, from seedbed. Early Jersey Wakefield, Danish Ball Head, Rock Red, Zenith, etc., \$1.25 per 1000.
P. Pearson, 1725 N. Campbell Ave., Chicago.

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Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, La.

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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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Why HORTICULTURE has stood the test as a profitable Advertising medium for the trade.

Because It is read by the men of standing and influence in the Horticultural field, every one of whom is a prospective buyer.

Why HORTICULTURE is so widely read.

Because Its contents are distinctly representative of American Horticulture and are thus indispensable to the Florist, Nurseryman, Seedsman and Gardener.

An Admirer of HORTICULTURE in the Central West writes; "It has won on its merits. It is our most prized weekly visitor."

And Now You See How HORTICULTURE has managed to elbow its way in between its older rivals and why the best trade advertisers find it an indispensable auxiliary.

It's No Secret That the men who read HORTICULTURE are the sort of men that advertisers like to talk to and if you have anything to advertise you can't afford to get along without them.

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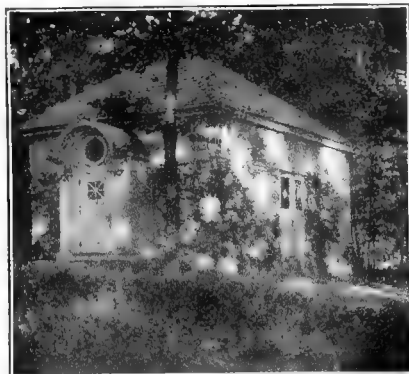
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Boston Cut		Lawrence, H. V.	704
Flower Co.	705	Leonard Seed Co.	703
Boston Florist		Leuthy, A. & Co.	687
Letter Co.	705	Lord & Burnham	
Boston Plate &		Co.	720
Window Glass		Louisville Floral	
Co.	719	Co.	709
Bowe, M. A.	703		
Breck, J. & Sons.	703	MacMulkin, E.	704
Breitmeyer's, J.		Matthews	705
Sons	704	McCarthy, N. F.	
Bridgeman's Seed		& Co.	709-718
Warehouse	703	McConnell, Alex.	704
"Buds"	703	McCray Refrig-	
Burpee, W. A. &		erator Co.	705
Co.	703	McCullough's, J.	
Burr, C. R. &		M. Sons Co.	706
Co.	688	McKellar, C. W.	706
Buxton, Doane,		McKenzie, J.	687
Co.	719	McKissick, W. E.	
		& Bros.	706
Carillo & Bald-		McManus, Jas.	708
win	697	Metropolitan Ma-	
Chicago Carna-		terial Co.	719
tion Co.	687	Meyer, J. C.	709
Clarke's, D. Sons.	704	Michell, H. F. Co.	702
Cowee, W. J.	706	Michigan Cut	
Craig, Robt. Co.	701	Flower Ex.	709
Crawback, G. W.	708	Millang, A.	708
		Millang, Chas.	708
Dards	704	Miller, E. S.	688
Dingee & Conard		Moninger, J. C.	
Co.	688	Co.	719
Dorner & Sons		Montrose Green-	
Co.	687	houses	688
Dorrance, Benj.	717	Moore, Hentz &	
Dow, Geo. E.	703	Nash	708
Dreer, H. A.	699-718	Murray, Samuel.	704
Dunlop, John H.	704		
Dysart, R. J.	708	N. E. Nurseries.	688
		Nicotine Mfg. Co.	717
Eastern Chemical		Niessen Lf. Co.	706
Co.	717		
Edwards Folding		Oechslin, Frank.	687
Box Co.	706	Ordnewer Bros.	697
Ellwanger & Bar-		Ouwerkerk, P.	688
ry	701		
Elliott, W. Sons.	716	Palethorpe, P. R.	
Esler, J. G.	719	Co.	717
Ernest, W. H.	718	Palmer, W. J. &	
Eyres	704	Son	704
Farquhar, R. &		Park Floral Co.	704
J. & Co.	688	Parshelsky Bros.	719
Felthousen, J. E.	696	Peacock Dahlla	
Fiske, H. E. Seed		Farms	701
Co.	703	Pennock-Meehan	
Foley Mfg. Co.	719	Co.	707-715
Ford Bros.	708	Pericat, Al-	
Freeman, G. L.		phonse	697
Co.	697	Perkins St. Nur-	
Froment, H. E.	708	series	687
		Peters & Reed	
Gatvin, Thos. F.	705	Co.	718
Gloecker, Carl		Pierce, F. O.	718
R.	703	Pleron, A. N.	707
Greater N. Y.		Pleron U-B ar	
Florists' Asso.	708	Co.	720
Grey, T. J. Co.	703	Poehlmann Bros.	706
Gude Bros. Co.	704	Pratt, B. G. Co.	703-717
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		Rayner, I. M.	687
Hall Association.	719	Raynor, John I.	708
Hartman Hjal-		Reed & Keller.	708
mar & Co.	703	Reinberg, Peter.	706
Heacock, Jos.		Rice Bros.	706
Co.	688	Rice, M. & Co.	686
Heini, Geo. A.	705	Rickards Bros.	703
Herbert	688	Robinson & Co.	706
Hews, A. H. &		Rock, Wm. L.	704
Co.	718	Roehrs, Julius Co.	697
Hillfinger Bros.	718	Roind Thos.	687
Hill, The E. G.		Robker, A. & Sons	718
Co.	700	Rosens	706
Hitchings & Co.	720		
Hoerber Bros.	706	Sander & Son.	701
Hoffman	704	Schlegel & Pot-	
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Hunt, E. H.	718	Sharp, Partridge	
		Co.	719
Jager, Chas. J.		Sheridan, W. F.	708
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CHAPEL OF THE NATIONAL FARM SCHOOL, BUCKS CO., PA.

(See Phila. notes, issue of April 30.)

The illustration here presented is a good example of the many quaint and



picturesque features of this remarkable institution, so ably presided over by that remarkable man, Dr. Washburn. Walter F. Fancourt is the horticulturist in charge. He has put new life into that department.

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Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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WANTED—Young man who thoroughly understands Orchids, and with experience with Sweet Peas, Carnations and Garden Stuff. Write giving full particulars as to experience to the Altimo Culture Co., Canfield, Ohio.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Second man in commercial plant growing establishment in middle West. Wages \$12.00 a week. M. W., care HORTICULTURE.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

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GARDENER—Landscape and floriculturist, has talent and fondness for his profession; competent to take charge of large estate; Swiss, 37 years of age; married; two children; wages \$70 and house. S. A. Leuba, 47 West 129th St., N. Y. City.

HEAD WORKING GARDENER, English, wants situation. Thoroughly experienced in all branches; would take a good single handed place. Married, age 35, no family. Apply, Benjamin Disley, Box 26, Convent Station, N. J.

WANTED—Good private place by experienced German gardener; age 32; married; two children; 11 years in Europe, 8 years in U. S.; has also had commercial experience. First class references. F. F., care HORTICULTURE, 9th and Market Sts., Philadelphia.

WANTED—Position as a gardener and general superintendent on estate. Seven years in last position. Highest references. W. B. Jackson, care HORTICULTURE, 11 Hamilton Place, Boston.

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2 FLORIST WAGONS FOR SALE CHEAP

No. 1, Covered Wagon; doors back and front; made specially for Florist trade, in good repair; cost \$275 co; offered at

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Apply to

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Eight lots; 400 feet front; stone house, 10 or 11 rooms; lately completely renovated; curbing; Ninth Ave. and Harry St., Conshohocken, Pa.; 13 miles from Phila.; a good location for a florist; owners will sell cheap. G. C. Watson, Dobson Bldg., Ninth and Market Sts., Philadelphia.

GREENHOUSE FOR SALE—Built for private estate. In excellent condition. Length 78 ft., width 36 ft., including forcing house in rear. Size of glass 16 x 24. Height front, 4 ft. 6 in.; centre, 9 ft. 6 in.; rear, 7 ft. 2 in. Allen Improved Steam Boiler. 2300 running ft. of piping. Price, etc., P. O. Box 81, Providence, R. I.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 60 Montrose Ave., Brooklyn, N. Y.

Obituary.

John Lang.

John Lang, a well-known gardener at Pittsburgh, Pa., died at his home, 213 Deniston avenue, East End, April 19. He was 82 years of age. He was born in Germany and came to Pittsburgh when a child. Two daughters survive him.

Mrs. Caroline Schisler.

Mrs. Caroline Schisler, wife of Henry M. Schisler, of the Schisler-Cornell-Seed Co., St. Louis, died Friday, April 29th, after a short illness. The funeral took place Sunday, May 1, and Mr. Schisler's many friends in the local trade attended.

Friedrich Harms.

This old master of rose growing and first authority on roses in Germany, died in his 80th year, on April 19, in Hamburg. But a few days separated his death from that of his contemporary and friend, L. Moller. The loss of these two eminent men will be felt not only in Germany but throughout the entire horticultural world.

Reinhard Schuetze.

Reinhard Schuetze, landscape gardener and superintendent of public parks and boulevards of Denver, Colo., is dead. Mr. Schuetze's first work was on Fairmount Cemetery, where he now rests. Other parks constructed under his direction and plans are Washington and Congress parks and a number of lesser reservations.

Ludwig Moller.

Ludwig Moller, editor of Moller's Deutsche Gartner Zeitung, died on April 12. Mr. Moller was born in 1847 and his eminence in horticulture was the result of unrelenting study and application, for he had very little education as a start and worked for fifteen years practically as second gardener and afterwards attained to the position of head gardener on various estates of note in Germany.

Catherine Powers Lynch.

Catherine Powers Lynch, widow of the late M. J. Lynch, died after a very brief illness on April 19 at her home on South street, Poughkeepsie, N. Y. About forty years ago she married Mr. Lynch and they located at their late residence. After her husband's death the business was carried on by Mrs. Lynch and her sons, and it will be continued by his sons.

Alfred Herbert Howard.

Alfred Herbert Howard died at his home on Main street, Otter River, Mass., Friday evening, April 15, at the age of 58 years and two months. Mr. Howard was born in Holden and has made his home in Otter River for about 35 years. At the time of his death he was conducting a business of raising cucumbers under glass. He is survived by a wife. The funeral was held from his late home April 19.

Alexander O'Driscoll Taylor.

Alexander O'Driscoll Taylor died at his residence in Newport, R. I., Sunday April 10. He was president of

the Natural History Society and was particularly active in any cause to save or beautify the city's trees. As state commissioner of birds he did also most excellent work. Mr. Taylor was born in Cork, Ireland, of Scotch parentage, and was in his 79th year. The funeral was Thursday, April 14, from Memorial church.

Anthony Murray McLaren.

Anthony Murray McLaren, proprietor of the Westwood Nurseries, High street, Westwood, Mass., died suddenly of a shock of paralysis at Hyde Park avenue, Roslindale, Mass., April 27. Mr. McLaren was born in Crieff, Perth County, Scotland, October, 1830. His early education was received at Drummond Castle, after which he attended Octertyre, the great training school for landscape gardening. For forty years he conducted a florist business at Forest Hills square, and when the railroad tracks were elevated the site of his greenhouses was taken for the new depot. He then removed to Westwood, where he has since conducted the Westwood Nur-



ANTHONY MURRAY McLAREN

series. He was a member of the Massachusetts Horticultural Society and was the winner of many prizes at its exhibitions some years ago.

Baron Schroeder.

Baron Schroeder passed away on April 22, at The Dell, Egham, Surrey, England, at the age of 84. His end was not unexpected as he has been an invalid and failing in health for some time. His death is a great loss to horticulture but to orchidculture in particular. One of the most ardent admirers of orchids, he had for many years been gathering rare varieties until his collection occupied a unique position. It was perhaps the most valuable in existence. Always enthusiastic on the subject, he did much towards making orchids so popular as they are in Europe today. He also gave liberally to anything that was for the advancement of horticulture. One of his largest donations was towards building the present Horticultural Hall in London. His name will live forever in horticultural annals.

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56 lb. \$3.25

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Landscape Gardening



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250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

George S. Saunders.

A well known and esteemed contributor to the British Horticultural Press has lately passed away in the person of Mr. George S. Saunders, who was formerly editor of the Royal Horticultural Society's voluminous "Journal." His initials "G. S. S." had become familiar to the readers of the gardening papers; his bright and informative articles were always eagerly welcomed, for his writings were popular amongst a wide circle. He made an important contribution to the "Century Book of Gardening." Of a quiet, and retiring nature, Mr. Saunderson's genuine and genial qualities secured for him many friends, particularly at St. Thomas's Hospital, Westminster, where for many years he acted as librarian. W. H. A.

NEWPORT LABOR PROBLEMS.

Newport gardeners who are in charge of estates are having some extra anxiety at present on account of their laborers having recently formed a union and voted to ask for an increased scale of pay from the 1st of June. The new scale is to be \$2.25 per day or \$55 a month, wet and dry, which is an advance of 25 cents per day or five dollars a month. Most of the gardeners seem to be in favor of the men having the rise and some have written to their employers explaining the situation and asking for the advance which is expected will be given in most cases, but it is also expected that some will refuse the request and cause a good deal of changing around among the laborers which will not be desirable to the gardeners. There is a great deal of extra work in progress around Newport at present, which is causing gardeners' help to be very scarce, so a very opportune time has been chosen for this class to get in touch with the upward movement of the wages of other classes, and the prices of necessities.

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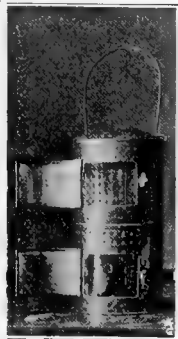
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Immediately Available Plant Food EVERGREEN BRAND FLOWER FERTILIZER

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

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Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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Thomson's Vine and Plant MANURE

Imported from Clovenford, Scotland

Indispensable for the highest results in Vine and Plant Culture

56 pound bag \$3.00
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Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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Bloom Saver**

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Best for Garden Spraying



In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing, wherever you use it, the Deming "Perfect Success" saves time and trouble and does better work.

Deming Spray Pumps

Hand and power, nearly two dozen kinds designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and spraying Calendar free. We make Pumps for all uses. Ask your dealer.

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NEWS NOTES.

Columbus, Ohio.—The Columbus Floral Co. has been incorporated by Messrs. Halbrooks, Miller and Thompson. They are building two houses, 37 x 400 feet.

Hillsboro, Ill.—F. C. Winklemann lost the largest portion of his glass by hail April 15th. Nearly all his stock both in the open and under glass was destroyed.

Houghton, Wash.—A new corporation formed to carry on a general horticultural business here will be managed by C. L. Wilcox, Sr. Seven acres of ground will be cultivated and they expect to erect 40,000 feet of glass.

Hastings, Nebr.—Considerable damage was done by hail to the greenhouses of C. W. Seidler, C. B. Tanner

Hawley Cemetery Vase



The Hawley Glass Cemetery Vase, flared top, 5½ inches in diameter, 9 inches deep, inside measure, with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase, No. 1 in both green and white enamel, 6½ inches deep and four inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6½ inches deep 3½ inches diameter and a four inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Also, Stone Cemetery Vases in blue only. These are 6½ inches deep, 4½ inches in diameter with a four inch spike. Price \$1.50 per dozen.

N. F. MCCARTHY & CO.,
84 Hawley Street
BOSTON, MASS.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Hunt's Spiked Cemetery Vase

Beautiful Clear Crystal Glass, heavy to stand hard usage, 4¼ inch diameter and 9 inch deep. Each 20 cents, \$1.40 dozen, 5 dozen (1 barrel) \$6.25. White Enamel Lawn or Cemetery Vase. Made of heavy Tin Sheet, Enamelled White.

No. 1—4¼x6½ inches. 20 cents each, \$2.00 per dozen
No. 2—3¼x6½ " 15 " 1.60 per dozen

E. H. Hunt, 76-78 Wabash Avenue, Chicago

and Chas. Winkler. The Tanner greenhouse lost about one-half of its glass and the other two from one-third to one-half.

GREENHOUSES BUILDING OR CONTEMPLATED.

Carthage, Mo.—Stephen Hyde, two houses.

Mount Clemens, Mich.—James Carey, two houses.

Hudson, N. Y.—M. E. Teator, one violet house.

Dedham, Mass.—H. A. Stevens, house, 25 x 100 feet.

Evanston, Ind.—Fischer Bros., Wilder street, addition.

Excelsior, Minn.—S. M. Robinson, range of houses.

Houghton, Wash.—C. L. Wilcox, range of houses.

Jamesport, N. Y.—J. Ebb Weir, two houses, 28 x 200 feet.

Columbus, Ohio.—Columbus Floral Co., two houses, 37 x 400 feet.

Jamaica Plain, Mass.—Thomas J. Plant Co., house, 40 x 150 feet.

Chicago, Ill.—Edward Schawel, 3751 Agatite avenue, house, 21 x 125 feet.

Bloomington, Ind.—Bloomington Friends Academy, range of houses.

Chicago, Ill.—W. Vehon, 4608 Winthrop avenue, house, to cost \$4,000.

Gloversville, N. Y.—Thomas Barson, one house, Lord & Burnham construction.

Des Moines, Ia.—J. S. Wilson Floral Co., chrysanthemum house, 18 x 200 feet.

Atlantic City, N. J.—Chas. Mason, one house and expects to put up others.

Great Falls, Mont.—Chas. Burrell, 1409 Fifth avenue North, two houses and office.

Kennett Square, Pa.—Howard Thompson, four houses, 28 x 200 feet each, connected. Lord & Burnham construction.

FIRE RECORD.

Ballston Spa, N. Y.—William Kemp's greenhouse on Division street was destroyed by fire; loss about \$300.

McRae, Ga.—The seed house and other property of the McRae Oil & Fertilizer Co. was destroyed recently; loss \$3,500, fully insured.

DREER'S Florist Specialties

KEYSTONE CEDAR PLANT TUBS



Diam.	Each.	Dos.	100.
A 11 in.	.65	7.15	55.00
B 12 ¼ "	.75	8.25	65.00
C 13 ¼ "	.85	9.35	75.00
D 14 ¼ "	1.00	11.00	90.00
E 15 ¼ "	1.25	13.75	110.00
F 16 ¼ "	1.50	16.50	130.00

Three largest sizes have handles.

SPECIAL PAUL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28.00

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Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2 ½ " " " 5.25	120 7 " " " 4.20
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	HAND MADE
800 3 ¾ " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
456 4 ¼ " " " 5.24	24 11 " " " 3.60
320 5 " " " 4.51	24 12 " " " 4.80
210 5 ½ " " " 3.78	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

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Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

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Holds Glass Firmly
See the Point at PEERLESS

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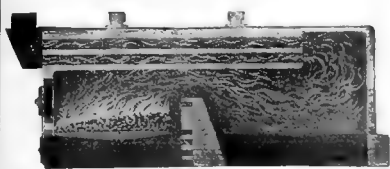
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Can not Crack

Water Space in Front, Sides and Back
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for new structure or repairs.

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Advance Ventilating Machines

Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

Your inquiries or orders will be appreciated and will receive our most careful and prompt attention.

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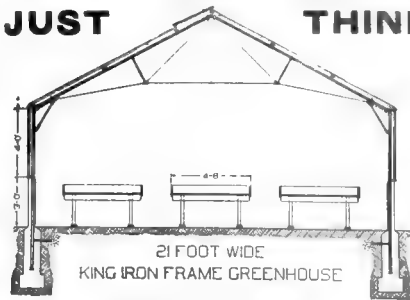
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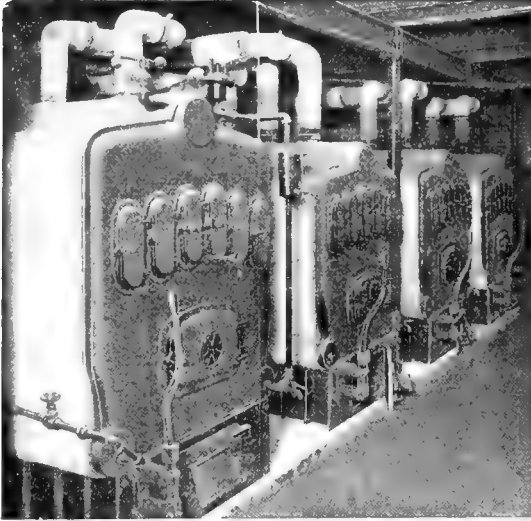
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Vol. XI. MAY 14, 1910 No. 20



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At no season of the year is the Arnold Arboretum so attractive, from a floral point of view, as the present and many and beautiful are the attractions presented to the observant visitor on every side. Each special group has its own claim upon the individual, and whether it be the celebrated lilacs, the deciduous rhododendrons, the wonderful cornuses or the flowering pears all are surpassingly beautiful and combine to make this famous garden a delight to the eye and a pleasure to all who love nature at her best. It is, however, the flowering crab-apples which I would draw special attention to in this note and no more beautiful shrubs or small trees exist for the embellishment of American gardens. The only regrets one has is that they are not more extensively planted. The best flowering crabs belong to what is botanically known as the *Malus* section of *Pyrus* and this in turn is a member of the great order *Rosaceae* which includes many of our most ornamental shrubs. These *Maluses* certainly have many claims upon the garden lover as they produce enormous quantities of blossom in spring, their foliage remains in good condition till the fall and many of them carry a profusion of ornamental fruits. They are extremely easy to cultivate and never fail to produce a galaxy of flower and, what is of supreme importance, they are not seriously affected by any of the injurious insects if the ordinary precautions of spraying are taken. From the florist's point of view it would seem that they are particularly valuable as no flowers are more eagerly sought after when obtainable and the small amount of attention necessary to have them in good condition should strongly recommend them to those engaged in commercial pursuits.

To produce good flowering sprays or shoots for florists' work it is advisable to prune the flowering wood hard back as soon as the flowers are over so that good shoots are procured for next season and it should be remembered that the blossoms are produced on the previous season's growth. By this system of pruning the plants can be kept within moderate dimensions. Propagation is easily effected by grafting and the most desirable stock to use is *Pyrus Malus* though *P. baccata* can be used but it appears that the former is the longer lived. Varieties are now extremely numerous and for some of the most desirable of them we have to thank Jackson Dawson who has for many years labored to improve the *Malus* section. That wonderful variety *Malus Arnoldiana* will ever remain a monument to him.

The following varieties though by no means exhaustive will be found to include the most ornamental.

Malus floribunda, a native of Japan, is one of the most desirable and makes an excellent specimen where it has sufficient room to develop. The flowers are white suffused with rose, of good size and produced in great numbers along the full length of the branches. The variety of this, named *atrosanguinea* is one of our handsomest flowering shrubs being a decided dark red color, and the habit is frequently pendulous.

M. Niedwetzkyana is particularly ornamental and very distinct from any other species. The flowers are large, extremely showy and a peculiar rosy-red color. This *Malus* fruits quite freely and these are permeated, as also are the leaves and bark, with a reddish tinge.

M. Halleana or *Parkmanii* is one of the most beautiful with rosy-red flowers which are semi-double and last for a considerable time in good condition. This variety and *M. Scheideckeri* which has large flowers deeply flushed with pink, are two excellent subjects for forcing



PYRUS MALUS ARNOLDIANA.
Growing in the Garden of Wm. J. Stewart.

in pots, for which purpose they might be much more largely and profitably employed.

Among the single-flowered varieties *M. Arnoldiana* has no superior if an equal. Even young plants flower abundantly and a well-established specimen in good condition is unsurpassed by any spring flowering shrub. The flowers are very large, white on the inner side and heavily suffused with dark red on the outer which makes an excellent contrast. The slightly pendulous habit of the long branches adds to the beauty of this exquisite shrub which should find a place in all gardens.

M. Sargentii is also extremely effective, the flowers being very pure white and somewhat later than the majority. This is a very valuable shrub, of medium size and worthy of the name it bears.

Malus spectabilis and its varieties furnish some of the most ornamental small trees, the most noteworthy of which is *M. spectabilis Riversii*, which has very large, double, deep rose flowers and is the best of the double forms. *M. spectabilis* with single flowers two inches across and its variety *Kaido* with richer colored blossoms are very ornamental and the foliage often colors richly in the fall. *M. baccata*, the crab-apple of Siberia, is a beautiful small tree and very conspicuous when loaded with bright red fruits. The varieties *cerasefera* with scarlet and *lutea* with yellow fruits are worthy of inclusion.

Undoubtedly the finest of all the double-flowering crabs is *M. Ioensis flore-pleno*, which does not flower till the end of May. The individual blossoms are very large, sweetly scented and a warm rose in color. This makes a remarkably handsome tree or large bush.

Other good crabs are *Ringo*, a Japanese species; *Dawsoniana* which is very effective as a specimen on grass; *Malus flore-albo-pleno*; *baccata floribunda*, and *Toringo*, a pleasing dwarf variety.

Arthur. E. Thatcher

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The gypsy and brown-tail pests

A statement appears in the "National Horticulturist," a paper devoted mainly to fruit-growing in the West, that, notwithstanding the strenuous efforts of inspectors, the brown-tail and gypsy moths have invaded the mountain fruit districts of Utah. We, here in eastern New England, who have been engaged for years in a costly warfare with this terrible scourge can sympathize most sincerely with any other section upon whom the plague may descend. We trust that our contemporary is mistaken but despite all possible precautions, cannot see how the rest of the country can escape, although it is possible that the parasites and other natural enemies of these insects now being dissem-

inated in New England may hereafter accompany them wherever they may spread to and thus modify their power for mischief.

Florists' problems of the day

How to best dispose of the surplus of cut flowers which is now almost continuously with us, and, on the other hand, how to meet the demand occasioned by holidays and popular affairs to which certain prescribed flowers are dedicated, are two problems that play hide and seek with the florist trade. The surplus—well, we think it will take not one but several Moseses to lead the flower grower out of the wilderness in which he seems to be getting more and more tangled up. The combined brains and magnanimity of the best men in the profession will be found none too much to successfully cope with this vital question. In the matter of the extreme demand for certain flowers for special occasions we commend to the attention of our readers the sentiments and advice expressed in the communication by George C. Watson to a Philadelphia daily paper, which we copy on another page of this issue. It looks as if the less special campaigning the florist does on behalf of the white carnation for "Mothers' Day" the better it will be for the peace of mind, general standing and prosperity of the florist. Flowers, flowers, for mothers and fathers and grandmothers and children, and "sisters, cousins and aunts," as well as everybody else—not for one day alone but for every day in the whole year, for all occasions and all conditions—this is the slogan that can be everlastingly put into profitable use by the man who raises flowers and the man who sells them, here, there and everywhere. Is it not too bad that an industry so honorable should have to run the chance of unpopularity, all on account of a few cents' advance on white carnations caused by an inordinate demand for immediate delivery? The interests of all—carnation growers as well as the rest—will often be better conserved by discountenancing rather than encouraging fads of this sort.

King Edward VII. gret, which we know are shared by all our fellow countrymen that

It is with feelings of profound regret, which we know are shared by all our fellow countrymen that we offer our sympathy to our brothers over the sea who have been plunged into the deepest sorrow by the passing away of their beloved King. In the death of King Edward horticulture has lost a warm friend and a keen supporter as indeed every institution has which was worthy of his confidence and thought. In anything which made for the advancement of horticulture the late King was never backward either with money or his presence in assisting so worthy and object. It will be remembered that the magnificent building of the Royal Horticultural Society in Westminster, built but a few years since, was opened by His Majesty and much of the unparalleled success which this institution has achieved was very largely due to the Royal support it so frequently received. The magnificent shows held annually in the Temple Gardens on the Thames embankment and at Holland Park, Kensington, have become social events in London and were frequently opened by the late King who was ever ready to give a word of praise whenever it was deserved. Since his accession to the throne the gardens on his own estates at Windsor and Sandringham have become among the most celebrated in the United Kingdom and contain many features which are unsurpassed, especially the glass corridor and pergola at Sandringham. British-born gardeners on this side tell us that the comfort of his employees was always carefully considered by King Edward and the new bothies

erected on both estates were constructed under his personal supervision. Mr. MacKellar who has charge of the gardens at Windsor and Mr. Thomas Cook at Sandringham are well known to many of our readers, and to them and all engaged in the profession on the other side as well as those hailing from there who have so enriched American horticulture by casting their lot with us, we extend our heartfelt sympathy for the irreparable loss they have sustained. The Gardening Charities which do such excellent work among those who are no longer able to carry on their profession were always warmly supported by His Majesty.

"He was a man; take him for all in all, we shall not look upon his like again."

Trans-Atlantic Notes

WARMED RAILWAY CARS FOR VEGETABLES AND FRUIT

We learn from the German journals that the managers of the state railways in Germany have provided experimentally a large number of closed wagons fitted with steam heating apparatus for the safe conveyance of fruit, vegetables, potatoes, etc. The wagons will be heated when the temperature out of doors reaches 17.6 degrees Fahr. or 14.4 degrees below freezing point, the warmth in the wagons not to exceed 50 degrees Fahr. In order to render possible the forwarding of goods in these wagons when dispatched by fast goods trains special invoices must accompany them, for which no charge is made. The warmed cars will commence to run about the end of March next between Berlin and Hanover, Cologne, Halle-Erfurt-Frankfurt-on the Main and Schneidemühle, Eydtkuhen.

A WHITE CAROLINE TESTOUT ROSE

By crossing the variety Caroline Testout with Kaiserin Auguste Viktoria, a white rose which in habit of growth and its flowers is the exact counterpart of C. Testout, has been raised by the firm of S. A. Vosters & Sons, Kiel, Holland. In the leafless state no difference is discoverable between the parent on one side and the new variety. The white C. Testout will be of great value to rosarians and growers of roses for cutting purposes. Flowers sent to England and the U. S. A. arrived in capital condition.

A CUCUMBER DISEASE IN SAXONY AND ELSEWHERE

The advisory institute for plant protection at the Botanical Garden of Dresden (Prof. Dr. Naumann) makes in the interest of cultivators and the public in general, the fact known that the so-called False Mildew, *Pseudoperonospora cubensis*, has made its appearance on Weigelt's beste von allen—a fine, much valued forcing cucumber.

The fungus is said to have been introduced from America to Europe, and attacks melons, cucumbers and gourds.

WOMEN'S WORK IN THE GARDEN AND ON THE FARM

We learn that arrangements are being made for what is called a Women's Congress at the British-Japanese Exhibition, and that several meetings will be devoted to subjects relating to gardening and farming for ladies. On July 5 Viscountess Falmouth will preside, and papers will be read on such subjects as lady gardeners for the colonies, landscape gardening for ladies, French gardening, jobbing gardening, market gardening, etc. On July 6 there will be addresses by lady experts on farming, bee-keeping, dairying, etc. The arrangements are in the hands of the Hon. Frances Wolseley, principal of the Glynde School for lady gardeners in Sussex.

Fredrick Moore

Abies concolor



The subject of the accompanying illustration is a handsome specimen of *Abies concolor*, a tree which stands on the lawn of the Mrs. R. Goelet estate at Newport, R. I., and is one of the most admired evergreens in that section of Newport. It will be seen that it is quite symmetrical in shape and it is well furnished on all sides from the ground up. The height of this specimen is about 20 feet and its diameter at the bottom is a few feet more and being branched out with many leaders it presents a very uncommon and attractive appearance.

James Robertson

Here's Your Chance

Don't miss the SPECIAL ORCHID number of *Horticulture*, to be issued on MAY 21, 1910.

It will be a beautiful edition with cover of special design and its contents will comprise articles from the pens of some of the most noted orchid specialists. Extra copies will be published and distributed among the professional visitors to the great ORCHID SHOW which opens at Boston on May 29,

This Special Number will be timed to meet the call for

MEMORIAL DAY FLOWERS Plants and Supplies

Everybody will want to have a copy and the advertiser whose offers appear in its pages will get the business.

"THIS IS NO DREAM"

Name your Space Now and Send Copy as Early as Possible

NEWS OF THE CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The regular meeting of the Club was held on Monday evening, May 9. An interesting report was made by Chairman Siebrecht of the Flower Market Committee, which was accepted as a report of promising progress. The Outing Committee was merrily represented by Chairman Bunyard who gave the date set for the festival as Tuesday, June 28, and the location Wetzel's Point View Grove.

The Exhibition Committee reported the offer of a silver cup by Hitchings & Co. A discussion followed regarding the competition for same and a set of rules covering the exhibitions from June till December, and specifying the manner of awarding points was approved, the winner of the largest number of points during that period to get the cup. Copies of these specifications may be had on application to Secretary Young.

Resolutions on the death of Mrs. W. J. Vesey of Fort Wayne, Ind., were presented by W. F. Sheridan and duly adopted. Mr. Sheridan also announced that the attraction at the next meeting would be a stereopticon address by George V. Nash of the N. Y. Botanical Garden on the topic of "On Horseback Through Hayti."

Prof. John Craig of Ithaca, then took the platform and delivered a most enjoyable lecture, telling of the work being done at Cornell. The problems in floriculture which are being worked out at that institution were described by Prof. Craig and comparisons made between the conditions prevailing in Europe where the work is done mostly for amateur help and those prevailing here where the most important needs are those of the professional. He eulogized New York's high position of leadership in agricultural and horticultural industries and the fine art of floriculture and outlined the interest and influence the institution at Ithaca had exercised in bringing the Empire State to the premier position now occupied. He chided the florists for their modesty in not asking for more consideration and assistance from the Agricultural College and told of the work that had been so well begun in co-operation with the Peony Society and the Sweet Pea Society, there being now after four years 1600 varieties of peonies in the trial grounds, and no less than 600 varieties of sweet peas now under comparative cultivation. The effect of artificial light (electric and acetelene), of etherization of plants, methods of application and results noted were fully covered in that part of the lecture devoted to culture under glass. The Experiment Stations, Prof. Craig claimed, are practically a clearing house for the novelties of each season and their work in the breeding and improving of plants is a monument to their value to the profession.

Much discussion followed Prof. Craig's excellent talk, many members participating, and it was recommended by Patrick O'Mara that an organized movement be started at the S. A. F. Convention at Rochester, next year,

with a view to making an appeal to the legislature at Albany for the better recognition by the State of the rights of floriculture to governmental support. On motion of A. H. Langjahr, the president was authorized to appoint a committee for the purpose indicated and same will be named at the June meeting. A handsome bouquet of roses was presented to Prof. Craig and he was accorded a rising vote of thanks for his stirring address.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

At the next meeting of the club to be held in Horticultural Hall on Tuesday evening, May 17, which precedes by a few days the big orchid exhibition to be held in the same building. The speaker of the evening will be E. O. Orpet, of South Lancaster, the title of his topic being "A Talk On Orchids." Other well known orchid growers will attend and assist in the discussion following the essay, and the subject should prove a timely and interesting one.

Some excellent exhibits are promised. The question of the annual picnic and a report of the executive committee on the S. A. F. National Show will also be discussed. It is hoped that there will be a rousing gathering on May 17. It has been decided to hold a "Ladies' Night" in June.

W. N. CRAIG, Sec.

FLORISTS' CLUB OF WASHINGTON.

The monthly meeting of the Florists' Club was held on May 10th, at Gude's Store, President Robertson in the chair. Four new names were proposed for membership, and a committee of three was appointed to report at next meeting concerning their eligibility. The President appointed a committee for the next Fall Flower Show, consisting of Wm. F. Gude, chairman; Geo. H. Cooke, Elmer C. Mayberry, Jas. L. Carbery and W. W. Kimmell, the said committee given full power to act on date, selection of hall and all arrangements. A committee of three will be appointed to correct and revise the present constitution and by-laws of the Club. Those selected are to be notified by letter and will report their findings at next meeting night.

Light refreshments were then served by Wm. S. Gude, and the meeting adjourned at a late hour.

AMERICAN PEONY SOCIETY.

The 1910 meeting of the American Peony Society will be held at Horticultural Hall, 300 Massachusetts Ave., Boston, Mass., in connection with the regular peony show of the Massachusetts Horticultural Society, Thursday and Friday, June 9-10, 1910. This date subject to change if weather condition requires.

A. H. FEWKES, Sec.
Newton Highlands, Mass.

NEWPORT HORTICULTURAL SOCIETY.

The regular meeting of this society was held Tuesday evening, May 10, when business connected with the June and September shows occupied most of the time in session. Six judges were appointed for the June show who are all members of the society and are as follows: John T. Allan, John Mahan, William Mackay, Alexander MacLellan, Bruce Butterton and John A. Forbes. The society had previously voiced its sentiments in favor of having two sets of judges at the June exhibition, and three sets for the one in September, the idea being to have the judging done in shorter time than was possible with only three men, as has been the custom in the past. The new arrangement will also provide a better opportunity to have more lines of exhibits judged by experts.

This Society is fortunate this year again in having liberal prizes offered by several members of the summer colony, and in recognition of those favors it was voted at the above stated meeting to place on the list of honorary members the names of all who had recently given substantial aid to the society. Included in those are Mrs. Robert Goelet, Mrs. W. S. Wells, Mrs. E. J. Berwind, Mrs. Lorillard Spencer, Mrs. H. D. Auchincloss, Miss Fanny Foster, Mr. L. Lorillard, Mrs. T. J. Emery, Mr. R. L. Beeckman and others. The special prizes from the above mentioned are mostly offered for the September exhibition, but the June show schedule which is now ready is also good, although having few specials. Copies of those schedules can be had on application to the secretary.

ST. LOUIS FLORISTS' LADIES' HOME CIRCLE.

The Ladies Home Circle met last Monday afternoon at the usual meeting place. Miss F. H. Meinhardt was the chief entertainer. It falls to each lady by vote for each meeting. Mrs. John Steidle, who is President of the Circle, presided over the meeting and all present had a jolly time—so it is reported by the secretary.

The annual meeting of the Society for the Protection of Native Plants was held in Boston on May 7, in the lecture hall of the Society of Natural History, the president, Robert T. Jackson of Cambridge, presiding. The following officers were elected: Robert T. Jackson, Cambridge, president; Benjamin L. Robinson, George L. Goodale, Merritt H. Fernald and Dr. David Snedden, vice-president; Miss Amy Folsom, treasurer; Miss Maria E. Carter, secretary; Miss Margaret E. Allen, corresponding secretary; Miss F. R. Morse and Miss M. C. Jackson, members of council.

An address entitled "Spare Our Wild Flowers and Our Roadside Scenery" was given by Walter Deane, president of the New England Botanical Club.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Baby Rambler.

Nothing more attractive could be suggested for massing in borders during the summer than the Baby Rambler-rose. It also makes a fine pot plant for the Easter trade and will sell fast in all sizes and at all stages of growth. To have fine good-sized bushy and vigorous plants for next season's trade it is time now to make a start. I have found that those grown in pots all summer are much easier to manage and give greater satisfaction when forced than those that are grown in the field. Young stock from 3 or 4-inch pots can be put into pots of a size larger and shifted from pot to pot as becomes necessary to keep them in good growing condition. They do well in a rich well-composted soil, say about three parts of sod to two parts of manure and a little bone at the last shift. When growing fast they will need plenty of water and syringing once or twice a day. When they show unmistakable signs of having reached a point when no more growth worth while takes place it is then time to gradually let up in watering. When planted in the field let them have the best kind of soil in a freely exposed situation, cultivate well and pot up in October.

Chrysanthemums for Large Specimens.

Plants intended for exhibition should now be growing rapidly, and must have every attention in the way of watering, ventilation, pinching and tying up. In order to have large plants in the fall they should now occupy at least a six-inch pot. It is very important that the plants should not suffer from being pot-bound, but at the same time it is well to allow the pots to fill up well with roots before repotting. A good turfy loam with an addition of one-third well-rotted cow manure, and a sprinkling of bone, is a good compost to use. Keep your exhibition plants under glass by all means, at all times. Never allow your plants to have to beg for water and wilt, yet too much is just as injurious as too little. Syringe every sunny morning and again in the afternoon on very warm days. Look out carefully for aphids and fumigate regularly. When growing show plants it is a good plan to start enough of them so that if a few kinds turn out faulty you can afford to discard them. After the plants have reached the height of about four inches they should be pinched, and three shoots allowed to grow; after they have made about six inches more growth pinch again, and allow three to each again and so on according to the size of the plant required. Don't pinch after the middle of July.

Ficus Elastica.

Although the propagation of the rubber plant on extensive places is carried on during a time when a continuous supply of bottom heat can be furnished, yet, for the small grower there is no better time to increase his stock than the present. Lanky, unsalable specimens, if you have such, can be operated upon by the mossing system. This is a favorable month for

the operation. Select the leafy tops, cutting the wood almost half through on one side leaving about 8 or 10 in. from the top, and inserting a piece of gravel to keep the cut open; after the bleeding has been stopped wash away the gum and tie some sphagnum moss around so as to entirely envelop the stem where the cut has been made. If the moss is made as large as a duck's egg it will be sufficient. The moss must be kept moist by frequent syringing daily. In about 5 or 6 weeks the white roots will show through the ball of moss. The plants should be allowed full time for the formation of abundance of roots before cutting away the tops. They can then be potted and kept away from the sun and draughts till they have rooted into the soil.

Marguerites.

This is a good time to propagate the popular winter flowering daisies of the shrubby species. If this is done now they will be in good shape to be planted out in the open field and will grow and make fine stock for next winter's flowering. Afford them good rich soil, and pinch them so as to form nice bushy plants. They should be well cultivated during the summer, and potted up early in the fall. When resorting to pot culture repot during the summer as they may require it until an 8-inch pot is reached. Assign them a sunny spot in the open ground during the summer, sinking the pots into the ground or some cool material. See that they are sprinkled and watered in a plentiful measure.

The Lily Bed.

Lilium longiflorum and *candidum* should find a place with every florist, and many other species are beautiful to grow where there is room. The lily beds should now be looked after carefully, removing the soil from over the bulbs, and taking off the sets that have formed at the base of the stem the previous year. These can be planted in some convenient place and will make flowering bulbs the coming season. The beds require as much protection as far as mulching is concerned in the summer as in the winter to get the best results. The ground should always be kept moist and cool, and to that end a mulching of freshly cut grass or any other convenient material that is not unsightly will accomplish the purpose. If the beds are protected in this manner both summer and winter, the bulbs will produce nearly three times as many flowers as when grown in the usual way. The principal thing to observe with lilies is to have the beds well drained. When making new beds they should be sheltered from the scorching and drying influences of the sun's rays and it is better to plant early in the autumn, so that the roots may be at work all the fall, and to select a cool, shady border, not exhausted by the roots of trees or shrubs. Some good types to grow are *Lilium Canadense*, *croceum*, *excelsum*, *pomponium*, *tenuiflorum*, and *Thunbergianum*.

Sweet Scented Geraniums.

The scented geraniums are valuable plants for the florist. For making up bouquets, and as a background for buttonhole flowers they are indispensable. Cuttings should be put in now, and grown on either in the field or in

pots with an occasional shift through the summer. Planted out on some spare bench they will give a fine lot of cuttings.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on Acacias, Growing Carnations Indoors, Begonia Gloire de Lorraine, Memorial Day, Odontoglossums, Primulas.

CONDITIONS IN THE WEST.

March and April changed places and all Nature turned crazy. March was one of the most delightful months in 40 years. It was warm and mild with no wind and no storms. Everything was very forward. The first of April was also mild. Then she seemed to think she had forgotten something and went back after it, bringing in fearful blizzards and awful dust storms. For 10 days in succession old Boreas came down in maniacal glee, wielding his stinging lash. Fruit trees were in full bloom and he reveled in his power for harm. Many mornings the ground was frozen. The second of May ground and water froze. The swirling, biting, cruel north wind raged at 40 miles an hour. We had put out thousands of evergreens. The drying winds caught them and though thoroughly watered many were dried up. One day we had a genuine American sirocco—mercury, 100 in the shade, and two days after a most cruel frost.

We have 50,000 peonies, many of them in exposed places. How they were buffeted, twisted and lashed by the furious winds, and yet there is a promise of thousands for Decoration Day. Some early sorts have bloomed already. A *tenuifolia* was out on the 23d of April.

It has been the driest spring on record, only an inch of rain from Feb. 1st till into May, yet the ground was so well saturated last fall that things have not suffered much. We have immense beds of perennials which have been kept wet by water from a windmill. Winds were so drying and fierce we had to water beds twice a day. Looking it all over, however, the losses have not been so very severe. The drouth has now been broken by a heavy rain of 24 hours duration. Transplanted stock suffered some. Leaves have been killed on many trees and shrubs, but they will come out again.

It has been a fine spring for work. Not a day lost till now. Leaves on the trees are coming out again and the country will soon forget its fearful scourging.

Sales have been heavy. Men have been worked to the utmost limit. We are making York a headquarters for evergreens, ornamentals and perennials, and have planted an immense amount of stock, which is looking fairly well.

C. S. HARRISON.

A commission appointed by the government of Nova Scotia to investigate and determine the advisability of a compulsory provincial eight-hour law, has just made a report to the effect that such a law would be a fatal blow to the industrial prospects of the Province. Consul-General James W. Ragsdale, of Halifax, forwards a synopsis of the report, which is filed for reference in the Bureau of Manufactures.

1877

We Can Fill Orders For

1910

MEMORIAL DAY

MAY 30, 1910

We filled all orders
sent us at Easter; can do
so now.

Long Distance
Shipments packed with
great care

Carnations, Spiraeas,
Stocks, Roses, including
Am. Beauty

Orchids

Our packers and shippers
are men of long experience
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The flowers
we send out are raised by
the best growers in the
country.

Hardy Ferns and Galax, Lilies, Lily of the Valley, Sweet Peas, Peonies, Pink Pond Lilies and all Seasonable Flowers. Also Everything in Supplies for a Flower Store

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226 Devonshire St.,

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Telephone 6267-6268 and 5419 Main

CHICAGO NOTES.

The Floral Auto Parade.

Owing to the rain the floral auto parade was postponed till Monday the 9th. Some of those who decorated with natural flowers were at a decided disadvantage for their machines, trimmed Friday night or Saturday morning before the rain commenced, were not at their best on Monday. As might be expected the artificial flowers made the showier cars and their brilliant colors rather outrivalled the natural flowers which were used on fourteen of the machines. It is hard to put the work of nature against that of art in the shape of solid masses of gorgeous paper chrysanthemums, strings of brilliant poinsettias without partially eclipsing the natural bloom, in the open air and bright sunshine, but our florists did well and their work deserves much credit. The Chicago Tribune of Tuesday had a picture of Mr. and Mrs. Chas. McKellar seated in their auto which took first prize in the private owners' class. It was trimmed with artificial poinsettias. One decorated by Fleischman on Saturday was presentable for competition and was winner of 2nd prize in its class. The first prize in its division was won by D. J. Joyce's Alco, done in American Beauty roses by J. Ruske.

Mothers' Day.

May 8th was proclaimed by Gov. Deneen to be Mothers' Day and a difference of opinion existed as to the extra demand for flowers as the result. The same difference was reported later in the various localities as to sales. A great advance has been made since last

year when the flowers sold by the retailers were used chiefly to be worn by the individual and usually a single bloom was considered sufficient. Miss Grace Sawyer of the Pansy Flower Store says the demand there was much greater than that of one year ago for churches and cemetery use in addition to the individual sales. In LaGrange the large churches distributed white carnations to each Sunday School scholar, each flower having an appropriate verse attached. In some Chicago churches each man was presented with a white carnation. In Oak Park the supply of white flowers ran out before Saturday night and some of the decorations planned had to be abandoned or carried out with colored flowers. Some of the florists report large orders for cemetery use and one of the large cemeteries is said to have had 75 per cent. of the mothers' graves decorated with flowers.

A Good Example.

Florists are pleased with the action of the Northwestern Elevated Co. in its effort to improve the outlook from the car windows. This Co. is offering rewards to householders along its right of way who can show the best kept grass plots and most attractive porch and window boxes. Chicago florists would like to see this same course pursued by the other "L" lines. Work has begun on the Gage Farm, owned by the city and to be used for a nursery to grow stock for the city's use. Small shrubbery was set out a week ago. The greenhouses will be begun as soon as the weather will permit.

Florists' Club.

Regular meeting of the Florists' Club

was held May 5 with Pres. Asmus in the chair. A. A. Vermeuller of Nelson Bros. was elected to membership and the names of Geo. Grimm of Peoria St. and P. J. Saunders of Cottage Grove Ave. were proposed. Margaret Flint was chosen to serve as collector of dues for the Club.

Bedding Plants Preferred.

The opening of the amusement parks in the city is using up a large amount of bedding stock. Though the plants are not all in the ground the stock is set aside. The growers of bedding stock are glad to see this tendency to decorate the grounds with large beds of geraniums and other plants gaining in popularity each year. These have nothing to do with the city parks and an admission is charged but the flower beds have proved to be a decided attraction and in the several parks of this kind a large amount of bedding is used.

Trade Notes.

Harry C. Rowe made the bridal bouquet for Ruth Bryan Leavitt Owen who was married at Lincoln, Neb., on the 3rd. It was of solid lily of the valley and was sent together with two large cases of lilies.

Strail & Hahn is the name of a new firm in the retail florists' business at 27 Jackson Boul., the Wellington hotel. Fred Strail has been with some of the largest retailers for years, and he will be capable of handling a first class business. J. Hahn came here recently from Belvedere, Ill., where he has been engaged in landscape gardening.

Lloyd Vaughan thinks radical meas-

For Decoration Day

We have this year the most complete, elegant and salable stock of florists' goods ever offered for the MEMORIAL DAY trade. Our line of PRE-SERVED FOLIAGE and other INDESTRUCTIBLE DECORATIVE MATERIAL cannot be excelled and the name of BAYERSDORFER & CO., on the package guarantees that goods and prices are

What Every Florist Wants

Don't wait until the last moment to make inquiry. SEND NOW for list of Standard and New Goods for this important occasion. All you have to do is to show the goods. THEY'LL SELL. Wreaths of Cycas, Magnolia, Fern and other foliage in Green, Autumn Tints and Moss effects are among the novelties.

METALLIC WREATHS are our specialty; we make them up with Roses, Pansies, Forget-me-nots or anything you please. STANDING ANCHORS, PILLOWS, WREATHS, ETC., all graceful and true to nature. Cape Flowers; Immortelles, all colors; Doves; Sheaves.

H. BAYERSDORFER & CO.

The Florists' Supply House of America

1129 Arch Street, Philadelphia, Pa.

ures should be taken by the wholesale trade to protect themselves from the wiles of the retailer who is unscrupulous. The law, he thinks, does not protect the honest but on the contrary works to the advantage of the dishonest in this business. As stated before, nearly all the wholesalers were losers by the closing of the Visas Bros.' store and their Easter bills are on file at the U. S. Court but that is small comfort.

Personal.

Fred Sperry is back at his post looking pale but plucky.

Chas. McKellar is rapidly recovering from his recent illness.

The two-year-old son of John Kruchten who was bitten in the face by a bulldog is doing nicely and few if any scars will remain.

The little son of Mr. and Mrs. Brooks of Morton Grove is home from a protracted stay at the Augustina hospital for treatment for a severe injury to his knee.

O. P. Bassett and bride surprised their relations and friends by returning unexpectedly from California Sunday. After a few days here they will leave for the East.

Visitors.—Geo. A. Heinl, Toledo, O.; P. N. Obertin, Kenosha, Wis.; J. E. Meinhart, Webb City, Mo.; C. H. Woolsey, Rockford, Ill.; Frank Stuppe, St. Joseph, Mo.; Wm. Desmond of Minneapolis, Minn., in the interest of the big flower show to be held there in November; H. Phillpot of Winnipeg, B. C.; J. A. Peterson, Cincinnati, O.; Mr. and Mrs. N. H. Long, Dixon, Ill.; J. Ebginge, Boskoop, Holland, Martin Reukauf, representing H. Bayersdorfer & Co., Phila., Pa.

AN IMPOSTOR.

Editor HORTICULTURE:

Dear Sir:—Some man representing himself to be Mr. Thornton is going around among different flower and seed houses. Kindly note in your paper that this man is an impostor and request any to whom he may apply to hold him for the police and notify us.

Yours truly,

THORNTON BROS.

Lawrence, Mass.

MEMORIAL DAY.

"And this day shall be unto you for a memorial." Exodus xii, 14.

The day that is meant for silence, the day that is set apart

To show all the love and honor that throb in the nation's heart;

To show that we still hold sacred their hope, and their faith and trust.

By placing the tender tribute of roses above their dust.

The day that is meant for quiet, except that the muffled drum

Shall thrum to the whispered fife that tells when the marchers come,

Except that the soft-voiced bugle shall sing of the growing gaps

In the ranks of the living comrades that lullaby low of "Taps"

The day that is meant for silence; a day that is meant for thought;

The flag as a sign and symbol of all that these dead have wrought;

And roses and waxen lilies, a-drip with the dews of dawn.

To gleam in the silent places where slumber the soldiers gone

This day it is meant for stillness, for stillness on land or sea,

For hushes on hill, in valley wherever their places be;

For some rest below the billows and some sleep beneath the sod,

But all have a country's honor, and all have the peace of God.

Wilbur D. Nesbit, in *Boston Post*.

DURING RECESS.

Chicago Bowlers.

INDIVIDUAL STANDING.

Average	Average
L. Vaughan...182 2-3	Geo. Asmus...156 1-3
E. Johnson...180 2-3	T. Varnall...144 3-6
E. Farley...168 1-6	Wm. Wolf...142 2-3
J. Huebner...168 1-6	F. Lieberman...138 3-6
Wm. Graff...161 3-6	O. Goerisch...134 2-3
F. Pasternick...161 2-6	F. Ayres...120 2-3
A. Wieszoski...160	E. Winterson...132 2-3
V. Bergman...156 1-6	F. Krauss...119 2-3
	T. Vogel...119 1-3

APHINE

Is proving a most effective, while at the same time absolutely harmless, insecticide for use on young stock.

It destroys the insects, and invigorates the plants.

Have you tried it?

Aphine Manufacturing Company

MADISON, N. J.

Palms that Bring "Repeat" Orders

That's the test of quality—not the first order, but the second, and the third. We're glad for new business—and we're getting a lot of it—but we value most of all the patronage of those who have been with us steadily for years. Such orders prove beyond question the superiority of our Palms—prove the advantage of buying home-grown stock produced under the care of Palm experts.

All our Palms are propagated from the seed, right here in our own houses. Ours are clean, strong and vigorous—vastly better than any imported Palms you could buy—yet they cost no more.

These Palms not only bring "repeats" to us, but to YOU, too—your customers will appreciate their excellence and will order again. It's little trouble to dispose of such "quality stock" and there's profit in it. Use Heacock's Palms for straight sales, for store display, decorating contracts, or renting; you can build up a department showing a good income—florists everywhere are doing it.

We offer a very choice collection this spring and advise placing orders early before the stock is picked over. Shipments are made by fast freight, assuring quick deliveries at low carriage rates.



ARECA LUTESCENS

3 plants in pot. Each.
6-in. pot, 26 to 28 in. high \$1.00
7-in. pot, 30 to 32 in. high 2.00
8-in. pot, 36 inches high... 2.50
8-in. pot, 42 inches high... 3.00

COCOS WEDDELLIANA

Per 100
2½-in. pot, 8 to 10 inches high\$10.00

PHOENIX ROEBELENI

5-in. pots, nicely characterized \$1.00
6-in. pots, nicely characterized 1.50

KENTIA BELMOREANA

6 to 7 leaves	Per doz.	Per 100
5-in. pot, 18 in. high	\$6.00	\$50.00
5-in. pot, 20 in. high	9.00	70.00
	Each	Doz.
6-in. pot, 22 to 24 in. high	\$1.00	\$12.00
7-in. pot or tub, 32 to 34 in. high	2.00	24.00
9-in. tub, 5 ft. high	\$7.50 and	\$8.00 Each

MADE UP KENTIA FOR-STERIANA

4 plants in tub.
9-in. tub, 42 to 48 inches high.....\$4.00 Each
12-in. tub, 6 ft. high \$15.00 Each

"When in Philadelphia, Be Sure to Look US UP."

JOSEPH HEACOCK COMPANY, - - Wyncote, Pa.



Memorial Day



New Crop Dagger and Fancy Ferns, extra fine quality, \$2.00 per 1000

Bouquet Green, - - \$8.00 per 100 lbs.
Boxwood, - - - - 18.00 per 100 lbs.
Leucothoe Sprays, - - \$1.00 per 100
Branch Laurel, - - - 50c. per bunch
Laurel Wreaths, - - \$3.00 per dozen

Brilliant Galax, Bronze,
\$1.00 per 1000; \$8.50 per 10,000
Brilliant Galax, Green,
\$1.00 per 1000; \$7.50 per 10,000
Laurel Festooning, good
and full, - - 5c and 6c. per yard

Headquarters for all Florists' Supplies, such as **Wire Designs, Cut Wire, Letters** of all kinds, **Immortelles, Cycas Leaves, Sheaves of Wheat, Ribbons, Boxes**—Folding Blue and Corrugated, etc.

50,000 Roses, 75,000 Carnations, 35,000 Sprengeri, 35,000 Stocks, Lilies, Callas, Asp⁺ Plumosus, Orchids, Special Valley, Sweet Peas, Spireas, Candytuft in any quantity.

Place your order with us, we never disappoint. Write, telegraph or telephone

HENRY M. ROBINSON & CO.

L. D. Telephones
Main 2617-2618

15 Province Street
9 Chapman Place

BOSTON, MASS.

Oncidium varicosum Rogersii

BODDINGTON'S TYPE

We are expecting an importation to arrive at an early date. We have imported this variety for many years from an experienced collector and it has proved all we claim for it both as to size of flowers and intense coloring.

This Orchid is one of the most popular and free-flowering types of the Oncidium family. Our past importations have come fully up to standard. Oncidium varicosum Rogersii throws 3-foot stems, bearing as many as 170 blossoms of an intensely rich golden yellow, 2 inches and over in diameter, and can be successfully grown either on blocks of wood, in pots or in baskets, and flowers in November and December in a night temperature of 55 to 60 degrees.

\$1.25 each, \$12 per doz., \$100 per 100; selected plants \$1.50, \$2, \$3, and \$5 each according to size.

ARTHUR T. BODDINGTON

Seedsman

342 West 14th Street, NEW YORK CITY, N. Y.



ORCHIDS

for the
Trade Only

Alphonse Pericat,
Orchid Specialist
and Importer, of-
fers his brother
orchid growers a

part of his recent importation from South
America—just arrived in splendid con-
dition—as follows:—

	Per Case
Cattleya Trianae, - -	\$40.00
" Schroederiae,	\$55.00

These are the best orchids for the
commercial florist. Order at once
as the surplus is limited.

Dendrobium Formosum: Fine lot
imported stock; 6 to 10 bulbs each,
\$1.00, \$1.25 per clump.

Schroederiae and Trianae, cases con-
tain about 400 bulbs each (more or less
according to size)

Alphonse Pericat

ORCHID SPECIALIST AND IMPORTER
Collingdale, PHILA., PA.

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gas-
kelliana, C. gigas Hardyana type, Dendro-
bium Phalaenopsis Schroederiana, Odont-
oglossum luteo-purpureum sceptum.

CARRILLO & BALDWIN,
Mamaroneck, New York,

IMPORTED ORCHIDS

Now Arriving

Julius Roehrs Co.
RUTHERFORD, N. J.

In ordering goods please add "I saw
it in HORTICULTURE."

ORCHIDS

CATTELEYA TRIANAE

A very large shipment of this popular
Cattleya arrived in fine condition.

We offer them until sold at
\$10 per case.

We have also received

CATTELEYA GASKELLIANA

Oncidium varicosum Rogersii
O. crispum, Laelias,
Miltonias, Etc.

Other Commercial Kinds to Follow.

Lager & Hurrell
SUMMIT, N. J.

FANCY
STOCK

SPECIMEN
PLANTS

FRESH
IMPORTATIONS

Oncidium
Varicosum Rogersii

G. L. FREEMAN
CO.
Fall River,
Mass.

CATTELEYAS

TRIANAE
LABIATA
MOSSIAE
GASKELLIANA

DENDROBIUMS
CHRYSOXUM
DENSIFLORUM
NOBILE
WARDIANUM
THYRSIFLORUM

VANDA
COERULEA

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants, also im-
portations coming which we offer at advantageous prices

ORDONEZ BROS.

41 West 28th St., New York City.
and Madison, N. J.

ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

Sander, St. Albans, England
and 235 Broadway, Room 1
NEW YORK CITY

JAPANESE NURSERY CO.
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES

WE know a grower who recently sent to Maine for a barrel of fancy seed potatoes. Price was no object—he had to have the stuff, he said. He does raise a small lot of fine potatoes and he prides himself upon the fact.

This same man buys his lily bulbs where he can buy cheapest. Last year he had almost an entire failure and this year he bought from five firms and had half a crop; but as he mixed them all up he don't know where the good ones came from. Every year he threatens not to grow them anymore because of bad luck as he calls it. It is bad sense rather than bad luck for if he paid as much attention to his bulb buying as he does to his potatoes, he would have something in profits. You have to secure a good quality of lily bulbs to be a successful lily grower and as long as a buyer will insist upon holding a cent so close to his eye that he can't see the dollar, he cannot make good.

Try Horseshoe Brand Lily Bulbs

Send for Catalogue

Ralph M. Ward & Co.

12 West Broadway, New York

Cold Storage Lily Bulbs and Bamboo Stakes Ready for Immediate Delivery



A House of Horseshoe Brand Giganteum a Week Before Easter, 1910

PHILADELPHIA NOTES.

Wm. J. Muth has severed his connection with the Philadelphia Cut Flower Co.

Cattleya Schroederæ offered last week by Alphonse Pericat should have read 55, not 35 dollars per case.

Alphonse Pericat will build a 21x72 lean to facing the south, for Dendrobium Palænopsis, etc. Lord & Burnham have the contract.

The date for the peony show of the Pennsylvania Horticultural Society has not yet been fixed. It will probably be either Saturday, the 21st, or Tuesday, the 24th inst.

Gladiolus America and May are especially fine at present and meet with ready sale. These and the shrubby calceolaria are prominent features in many of the big stores at present.

Among those from Philadelphia who will attend the big orchid show in Boston, the following are reported at this writing: Robert Craig, G. C. Watson, Joseph Heacock, James Griffin, and Alphonse Pericat.

The amateurs of the main line will hold a flower show at the Merion Cricket Club, Haverford, Pa., May 28th. David Rust, secretary of the Pennsylvania Horticultural Society has been appointed one of the judges.

A. L. Jones, of the Pennock-Meehan Co., has just returned from a sojourn in Washington, where he has been superintending the branch establishment of the firm during the illness of Mr. Moore. The latter is happily quite recovered again and back in harness in good shape.

The new pot hanger illustrated in the Rice adv. in our present issue, is revolutionizing the art of economically and artistically displaying pot plants in windows, porches, conservatories, etc. Costs next to nothing, is adaptable, effective, lasting and cheap and is being used by the thousands in the up-to-date centers.

Samuel J. Irvine returned to his old position on the 8th inst. as superintendent of the Grovedale greenhouses of Louis Burk, at Fisher's lane and Wyoming avenue. This is a commercial place growing a general stock but making a specialty of orchids. Mr. Burk is an enthusiast in the latter flower and owns a fine collection as an amateur, as well as marketing his surplus.

J. Liddon Pennock argues that the growers, through their agents, the wholesalers, make a mistake when they try to get a bigger price for anything on special occasions like Mothers' Day, Easter, Christmas, etc. That any profit coming from such belongs legitimately to the retailers. That the retailer has the whip hand and can make or break the popularity of any flower. That when they advertise a thing and boost it, the profit and expense are both theirs—so what right has the grower to share?

Alphonse Pericat says that his partner Mr. De Buck has had a very successful collecting season in South America the past six months and has sent already several fine consignments of Schroederæ and Trianae which have arrived at Collingdale, Phila., in fine condition. An offering of a part of

these will be found in this issue. A nice lot of Dendrobium formosum has also arrived. Mr. De Buck is expected to arrive in this country in a few weeks.

Raymond Kester, an old and experienced employee of the big retail business of Pennock Bros., gives valuable advice as to keeping peony blooms from drooping. He says to plunge them up to the neck in water in a deep vase. The trollius or globe flower is another trying subject. But it generally comes up the second day all right. Lilacs and peonies keep best if partly stripped of the foliage. Keep the foliage fresh in a vase separate from the blooms and use as required.

PERENNIALS FOR SPRING PLANTING.

Replying to a query taken from the "Question Box" at the last meeting of the Gardeners' and Florists' Club of Boston Frederic J. Rea named the following varieties of herbaceous perennials which do better if planted in the spring.

Anemone japonica varieties, hardy chrysanthemums, dornicums, eulalias, gaillardias, gerbera, heucheras, Iris germanica, Iris Kaempferi, Iris pumila, Papaver orientalis, pentstemons, potentillas, Pyrethrum roseum hybrids, stokesia, tritomas, Canterbury bells, foxgloves and hollyhocks.

Of the above list the following can be safely planted in August: Dornicums, Iris germanica, Iris pumila, papavers, potentillas, pyrethrum, Canterbury bells and foxgloves.

Dreer's Select Hardy Vines and Climbers

Potted Stock for Present Planting

AKEBIA QUINATA.

We offer extra heavy pot-grown plants of this handsome climber.
Strong 4-inch pots, \$1.25 per doz.; \$8.00 per 100.
Heavy 6 " " 2.00 " 15.00 "

AMPELOPSIS VEITCHII.

Strong 2-year-old, \$1.50 per doz.; \$10.00 per 100.
Extra selected plants, \$2.00 per doz.; \$15.00 per 100.

AMPELOPSIS VIRGINICA. (Virginia Creeper.)

Strong 2-year-old plants, \$1.25 per dozen; \$8.00 per 100.

AMPELOPSIS TRICOLOR. (Vitis Heterophylla Variegata.)
Very strong, 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

AMPELOPSIS ENGELMANNI.

Extra strong, 2-year-old plants of this most useful variety.
\$1.75 per doz.; \$12.00 per 100.

AMPELOPSIS LOWII.

A new variety of the same general character as A. Veitchii and clinging to the smoothest surface without support, but with foliage much smaller and deeply cut, giving a light and airy appearance to the plant not possessed by the older sort. In spring and summer the leaves are of a bright apple-green color, changing to a brilliant crimson and scarlet in the autumn. 60 cents each; \$6.50 per doz.

APIOS TUBEROSA.

Strong tubers, \$2.00 per 100.

ARISTOLOCHIA SIPHO.

(Dutchman's Pipe Vine.)

Extra heavy, \$4.00 per doz.; \$30.00 per 100.

BIGNONIA. (Trumpet Creeper.)

Grandiflora. Strong plants, \$3.00 per doz.; \$20.00 per 100.

Radicans. Strong plants, \$1.50 per doz.; \$10.00 per 100.

CELASTRUS SCANDENS.

(Bitter Sweet, or Wax Work.)

Extra heavy plants, \$2.00 per doz.; \$15.00 per 100.

CINNAMON VINE.

Strong roots, 40 cents per doz.; \$3.00 per 100.

CLEMATIS PANICULATA.

(Japanese Virgins Bower.)

We have an immense stock of exceptionally fine plants of this most popular of all the Clematis, and offer

Strong 2-year-old plants, \$1.50 per doz.; \$10.00 per 100; \$90.00 per 1000.

CLEMATIS MONTANA GRANDIFLORA.

The plant is of stronger growth than any other Clematis, not subject to the attacks of insects, and succeeds under the most adverse conditions. It is perfectly hardy, having withstood without the least damage in a most unfavorable position in our trial grounds. Its flowers, which resemble the Anemone or Windflower, are snow white, 1½ to 2 inches in diameter, and frequently begin to expand as early as the last week in April, continuing well through May, and are produced in such masses as to completely hide the plant. Extra strong, 2-year-old plants, 35 cents each; \$3.50 per dozen.

CLEMATIS MONTANA RUBENS.

Identical in every way with the white flowered variety, excepting in color, which is of a most pleasing shade of soft rosy red.

We offer a limited stock of strong plants, 75 cents each; \$8.00 per dozen.

EUONYMUS RADICANS VARIEGATA.

A nice lot of 3-inch pots, \$1.00 per doz.; \$7.00 per 100.

LARGE-FLOWERING HARDY CLEMATIS.

We have again this season a fine stock of good, strong plants, two years old, own roots.

Boskoop Seedling or Sieboldi. Extra large lavender.

Duchess of Edinburgh. Double pure white.

Henryi. Finest large single white.

Jackmani. The popular dark rich royal purple.

Madam Baron Veillard. Light rose, shaded lilac.

Ville de Lyon. Bright carmine red.

30 cts. each; \$3.00 per doz.; \$20.00 per 100.

VARIOUS CLEMATIS.

	Per doz.	Per 100
Coccinea. Two-year-old roots.....	\$1 00	\$7 00
Crispa. Two-year-old roots.....	1 00	7 00
Virginiana. Two-year-old roots.....	1 25	8 00
Integrifolia Durandi. Of semi-climbing habit, large indigo-blue flowers. 35 cts. each.		

HONEYSUCKLES.

	In. pots	Per doz.	Per 100
Variegated	2½	\$ 60	\$4 00
"	4	1 00	8 00
"	6	1 75	12 00

IPOMOEA PANDURATA. (Hardy Moon Flower.)

Strong dormant roots, 50 cents per dozen; \$4.00 per 100.

HARDY JASMINE.

	Per doz.	Per 100
Nudiflorum. Yellow, 5-inch, pot-grown.....	\$1 50	\$10 00
Officinale. White, 5-inch, pot-grown.....	1 50	10 00
Primulinum. An introduction from China, its flowers fully double in size to J. nudiflorum; these appear simultaneously with the leaves. Strong plants, 35 cents each; \$3.50 per doz.		

LATHYRUS LATIFOLIUS.

(Everlasting Pea.)

	Per doz.	Per 100
Albus. White.....	\$1 00	\$7 00
Splendens. Rose.....	1 00	7 00

"White Pearl." A magnificent, new, pure white variety, with individual flowers fully double the size of the ordinary Everlasting Pea. These are produced in really gigantic trusses. We offer very strong roots at 20 cents each; \$2.00 per dozen.

POLYGONUM.

Baldschuanicum. This beautiful, hardy, woody, twining plant is one of the most interesting and showy flowering climbers. Its flowers are white, and are borne in great feathery sprays at the extremities of the branches. Strong plants, 35 cents each; \$3.50 per dozen.

Multiflorum. A very desirable climbing plant, which seems peculiarly adapted to our climatic conditions. It is of strong, rapid, but not coarse, growth, frequently attaining a height of 15 to 20 feet in one season. Its bright green, heart-shaped leaves are never bothered by insects, and during September and October it produces masses of foamy-white flowers in large trusses from the axil of each leaf. \$1.50 per dozen; \$10.00 per 100.

SCHIZOPHRAGMA HYDRANGEOIDES.

(Climbing Hydrangea.)

One of the most interesting of our hardy climbers. Its flowers, which are borne in large trusses, are similar to white Hydrangea, and when in flower during July and August, make a handsome display. A limited stock of strong plants, 75 cents each.

WISTARIA SINENSIS.

	Per doz.	Per 100
Blue	\$3 50	\$25 00
White	4 00	30 00

VITIS HENRYANA.

A new climber from China, foliage similar in outline but not as large as the Virginia creeper, foliage of great substance and prettily variegated, the ground-color being deep velvety-green, while the midrib and veins are of a silvery white. 60 cts. each; \$6.00 per doz.



AMPELOPSIS LOWII.

Henry A. Dreer, 714 Chestnut St., PHILADELPHIA, PA.

The above prices are intended for the Trade only.

'MUMS THE WORD

We have many thousands of plants in 2 1/4 in. pots, of such varieties as Appleton, Miriam Hankey, Nellie Pockett, Wm. Duckham, Cheltoni and other Standard kinds that we are offering at \$3.00 per hundred, \$25.00 per thousand.

We will also quote special price on **Singles** of which we have some 90 varieties. We will give you a good selection of colors in as many varieties as you wish at \$5.00 per hundred.

Our Special Commercial Novelty for this year is **Yellow Ivory**.

This, we can give immediate delivery on, 2 1/4 in., at \$15.00 per hundred.

CHARLES H. TOTTY
Madison, New Jersey

GARDENIAS 2 1/4-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots, \$20.00 per 100.

DRACAENA INDIVISA 4-inch pots, \$1.80 per doz., \$12.00 per 100; 5-inch pots, strong plants, \$25.00 per 100.

CANNAS—Gladiator. Green foliage, yellow flower, spotted with red.
Wyoming. Bronze foliage, red flower.
Louisiana. Green foliage, red flower.
Assorted Cannas. Good standard varieties. The above in 4-inch pots, \$1.00 per dozen, \$8.00 per 100.

Asparagus Plumosus Seedlings, \$1.00 per 100, \$10.00 per 1000.

Asparagus Sprengeri Seedlings 50 cents per 100, \$5.00 per 1000.

SMILAX 2 1/4-inch pots, \$2.50 per 100, \$20.00 per 1000.

A. N. PIERSON, Inc.

CROMWELL, CONN.

Coleus. Coleus.

2 1/4-in. pot, Verschaffeltii and Golden Bedder, \$2.00 per 100.

Rooted Cuttings, Verschaffeltii and Golden Bedder, \$6.00 per 1000.

Rooted Cuttings in variety, \$5.00 per 1000.

Geraniums, our selection, 3-in. pot \$5.00 per 100.

Geraniums, our selection, 4-in. pot \$6.00 per 100.

J. E. FELTHOUSEN

154 Van Vranken Ave., Schenectady, N. Y.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2 1/4-in. stock, \$25.00 per 100.

WHITMANII

2 1/4-in., \$40.00 per 1000; 3 1/4-in., from Bench, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

H. H. BARROWS & SON, WHITMAN, MASS.

SURPLUS STOCK

Lilium Auratum 8 to 9 inches (130 in a case)
\$4.50 per case.

Lilium Speciosum Albums, 8 to 9 inches (220 in a case) \$13.00 per case.

Cycas Stems, 3 to 8 lbs. (300 lbs. to a case) \$16.50 per case.

Prices f. o. b. New York. Sold only in case lots. Stock limited. *Order at Once.*

Bamboo Stakes, natural and green, various sizes always on hand.

Yokohama Nursery Co., Ltd., 31 Barclay Street, New York.

BEACON CARNATION CUTTINGS

We have a quantity of well-rooted cuttings from especially strong stock. THESE ARE CUTTINGS THAT ARE SURE TO PLEASE.

Nothing Spectacular—Just the Best Cuttings that can be had, and at Right Prices, and notice particularly that these cuttings are from SOIL and come from stock that DOES NOT SPLIT.

CARNATION CUTTINGS

Clean, well-rooted stock, the kind that will make you and your friends our regular customers. *N. B.—Our White Enchantress is PURE WHITE with NO strain of color.*

	Per 100	Per 1000		Per 100	Per 1000
Winsor	\$2.50	\$20.00	Enchantress	\$3.00	\$25.00
Beacon	3.00	25.00	White Perfection	3.00	25.00
White Enchantress	2.50	20.00	Rose Pink Enchantress	2.50	20.00

Immediate delivery. Write for special prices on large quantities. No order too large for our facilities. *Chrysanthemum cuttings in best variety, also.*

J. D. THOMPSON CARNATION CO., - - Joliet, Ill.

HYDRANGEA OTAKSA

In Bud and Bloom

Fine plants in 6-in. pots, five to six blooms each, at 75c and \$1.00 each—according to size.

NEPHROLEPIS

Elegantissima Improved. Finest of this type; shows no tendency to revert to Boston. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen.

Superbissima. A very unique fern, with dark green foliage and of dense growth. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen.

Bostoniensis. 10-in., \$3.00 and \$4.00 each; 12-in., \$5.00 and \$6.00 each; larger specimens, \$7.50 to \$10.00 each—according to size.

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON,
NEW YORK

THE "SIMMONS BILL."

F. W. Kelsey, in a communication to the Committee on Agriculture, at Washington, calls attention to the following impracticable and inconsistent features of the Simmons Bill, H. R. 23252, for the inspection of imported nursery stock. Mr. Kelsey says:

First—It is absurd for any nurseryman or importer doing an extended business to make "an application stating the number and kind of nursery stock to be imported," unless duplicates of all orders placed for foreign stock, whether by cable or letter, be transmitted to the Secretary of Agriculture; a technical proceeding of governmental interference with private business, as unreasonable and unnecessary as it is inconsistent with the spirit of our form of Government.

Second—In Section 7, the provision for detention "in quarantine a necessary time to determine the result of such disinfection" would, in practical workings result in most cases to simple and direct confiscation—an object presumably not intended by the advocates of the Bill and one that would not, if thus understood, be tolerated by you.

Third—The authority conferred upon the Secretary of Agriculture "to quarantine against any importations from said district" is a dangerous precedent, an arbitrary and wholly unjustifiable imposition, which, in effect, might cause needless injustice and loss; and in view of the other protective features of the Bill would, unquestionably do much more harm than good. Indeed, in case of fright or a wave of hysteria with subordinate officials, very serious injury would follow without any compensating benefits.

The desirability of an efficient national law for the proper regulation of nursery stock importations in co-operative harmony with the approved inspection laws of the states, is by the progressive men in the nursery business generally recognized. But I beg to submit that care should be taken in conferring arbitrary power and creating new conditions, not to make the proposed remedy worse than the insect pest diseases which the law aims to prevent.

George Rackham of Detroit finds a very interested audience at every school where he delivers his short discourses on plant growing. There is no limit to the questions asked by the children.

DELPHINIUM BELLADONNA

Everblooming Hardy Larkspur, 2-in. pots, \$3.50 per 100, \$30.00 per 1000.

DIANTHUS Latifolius atrop. fl. pl. Everblooming.

LYOSOTIS Palustris Semperflorens.

SHASTA DAISIES.

SCABIOSA Japonica, 2 in. pots, \$2.00 per 100.

SALVIA Patens, 2½-in. pots, \$1.00 per 100.

Six trial plants 25 cents.
Cash with order, please.

A. HIRSCHLEBER, Florist Riverside, N. J.

ASTERS AND PANSIES

Improved Late Branching, white and shell pink, very double and large Crego, mixed colors, fine stock plants ready to bed out 5 c. per 100 postpaid. By express 1000 \$3.00; 500 \$1.75. Pansy Park Perfection the best strain of giant pansies, a great variety of rich and rare colors and markings in mixture. Fine stocky, field-grown plants in bud and bloom 1000 \$3.50; 500 \$2.00, cash with order. The growing of pansy plants our specialty for 37 years. From G. J. G. Florist, Beverly, Mass.: "The pansies from your seed have the finest thoroughbred flowers I have seen in this neighborhood, which is noted for fine flowers on private places."

L. W. GOODSELL, Pansy Park, Dwight, Mass.

GARDENIAS

Fine large JESSAMINES (Gardenias) with beautiful foliage.

Stems from 8 to 12 in. \$ 7.50 per 1,000

" " 12 " 18 " 10.00 per 1,000

F. O. B. Alvin. Terms strictly Cash or C. O. D.

MISS A. WASHINGTON, Alvin, Texas

Mention Horticulture when you write

GODFREY ASCHMANN

Is more active than ever

LOOK! BARGAINS!

I am ready to execute every order in bedding plants promptly; having 10 houses and an equal number of hotbeds, with every hole and crack full of bedding plants alone

Geraniums, double white, pink and red, in 4-in. pots, \$7.00 per 100.

Asters, Queen Victoria and other good varieties, 5 or 6 separate colors, 2¼ to 2½-in. pots, \$3.00 per 100.

Canna Elise, 4-in., \$7.00 per 100. Alphonse Bouvier, Bismark, Patty Gray, 2 to 4-in., \$7.00 per 100.

English Ivy, 4-in., 10c.

Lemon Verbenas, 4-in., \$7.00 per 100.

Begonia Erfordii, our well-known improved strain (5000 now ready), 4-in., \$8.00 per 100.

Begonia Vernon, dark and light red. Our so well-known improved strain from Zurich, Switzerland, introduced by us 4 years ago, which has given so much satisfaction all over America. Always in bloom. Stand the sun and all the dry weather. A bed of this novelty plant, once seen grown and same will speak for itself. When we plant our Begonias we plant 4 to 8 small seedlings in one pot and they are now grown big and bloom in 4-inch pots, at \$8.00 per 100.

Clara Bedman or Bonfire, in bloom (Scarlet Sage), 4-in., \$7.00 per 100.

Ageratum, dwarf blue, best variety, 4-in., \$7.00 per 100.

Fuchsias, assorted colors, 4-in., \$7.00 per 100.

Heliotropes, blue, 4-in., \$7.00 per 100.

Petunias, double, assorted, 4-in., \$7.00 per 100.

Lantanas, assorted, 4-in., \$7.00 per 100.

Vinca Variegata, 4-in., large, for vases or window boxes, 10c to 12c.

Primula Obconica (blue), in bloom, 5-in., \$2.00 per doz.

Dracaena Indivisa, 5 to 5½-in., 25c.

Crimson Rambler Roses, 7 to 8-in. pots, 75c, \$1.00, \$1.25 to \$1.50. Other ramblers, 6 to 7-in. pots, 35c and 50c.

Dorothy Perkins, one of the best new pink Ramblers, pot grown, 2 to 3 years old, 35c to 50c.

Kentia Belmoreana and Forsteriana, 4-in., 20c. Kentia Belmoreana, 3-in., 10c. Kentia Forsteriana, 6 to 7-in., 40 to 50-in. high and over, \$2.00, \$2.50 to \$3.00. Hydrangea Otaksa, in bud, 6-in., 25c, 35c to 50c. Cobaea Scandens, 4-in., 10c.

All plants 25 at 100 rate. Cash with order, please. All plants must travel at risk of purchaser only. Watch our ad for Araucarias about May 10.

Godfrey Aschmann, 1012 W. Ontario Street, Philadelphia, Pa.

WHOLESALE GROWER, IMPORTER AND SHIPPER OF POT PLANTS

IN SMALL PLANTS

We have the following in 2½ to 3-in. pots, \$3.00 per 100:

Verbenas, assorted colors.

Phlox Drummondii, dwarf and grandiflora. French Dwarf Tagetes (the queen of the marigolds).

German Asters Queen Victoria, 4 or 5 separate colors, 2½-in.

Zinnia elegans.

German or Parlor Ivy.

Cosmos, assorted, white, red or pink (by name if desired).

Coleus, Golden Bedder, Verschaffeltii and Queen Victoria, fancy varieties, \$4.00 per 100.

Petunias, California, Dwarf Inimitable and Rosy Morn.

Sweet Alyssum, Carpet of Snow or Little Gem.

Tradescantia, two colors.

Thunbergia or Black-eyed Susan. Maranta Bachemiana.

Salpiglossis.

Lobelia Crystal Palace (blue), dwarf and trailing.

Cornflowers, assorted.

Parlor Ivy.

Centaurea Gymnocarpa (Dusty Miller). Echeveria glauca, also large plants, \$4.00 and \$5.00 per 100.

Don't forget that we are the wholesale growers of the celebrated, world-wide known

IPOMOEA NOCTIFLORA (MOONVINE)

Pure white, rapid grower, very fragrant and earliest moonvine with flowers as big as a saucer. Grows 50 feet and over in one season, with thousands of flowers on them. We have grown them for the past 25 years and have established a world-wide reputation, over 25,000 having been shipped all over the United States, Canada and Mexico. Price: 2½-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.

Nephrolepis. We have the following to offer: Whitmani, Boston, Scotti, medium size, 4-in., \$20.00 per 100. Schoelzeli, medium size, 4-in., \$25.00 per 100.

A BLUE ROSE

The Greatest
Rose Novelty
of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule,

Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, N. J.

Seed Trade

The Condition of Seed Crops and Prospects.

The average temperatures for May up to this date have been lower than were those the latter part of March, which of course has not been good for vegetation. But few crops have been planted excepting peas and market gardeners' products. Reports about peas are not entirely clear, but it seems that the crop has not suffered very severely up to this time. Practically no sugar corn or beans for seed purposes have been planted. Root crops, such as beets, cabbage and turnips for seed have been planted and are generally looking well. This does not apply to European crops, about which we have had but little information of a reliable character, but as our sources of information are of the best, we shall give from time to time such reports as reach us.

Very small reserves of standard varieties of seeds will be carried over into next season. This applies particularly to cabbage, turnips, mangels and several varieties of garden beets, golden self-blanching celery, parsnips and many odds and ends of biennials. No doubt, prices will rule high on all of these lines again next year—possibly higher than during the past season, and retailers will make no mistake in buying early; in fact they seldom do.

Seedsmen's Convention.

It is barely six weeks to the Seedsmen's Convention, which, as is generally known, is to be held this year at Atlantic City, with headquarters at the St. Charles Hotel. This is one of the best "Taverns" at the Ocean City and doubtless most of the seedsmen and their friends will recall with pleasure their last convention held there. While perhaps, there is not much danger of the hotel being overcrowded, it might be well for those expecting to attend the convention to engage rooms in advance. A little forethought often saves much inconvenience.

Spinach, Turnips and Farmers' Alaskas.

It is reported that present supplies of spinach are short, especially Bloomdale, and as the new crop will not be available for this year's requirements, holders are likely to stand firm for advanced prices. The same may be said of turnips. Purple Top White Globe is firmly held at 20c. or better, and Purple Top Strap Leaf at 16 to 18c. in liberal quantities.

Alaska peas of pedigree strain are scarce, but so-called "Farmers' Alaskas," grown by Wisconsin farmers, are procurable in liberal quantities at around \$2.00. Several hundreds of bushels of these peas are usually required in the south for second planting. Everyone in the trade is supposed to know what "Farmers' Alaskas" are. A word to the wise is sufficient.

TRADE PRICES AND THE AMATEUR PURCHASER.

The following correspondence fully explains itself:

WINTERSON'S SEED STORE,

45-47-49 Wabash Avenue.

Chicago, April 26th, 1910.

Mr. A. T. Boddington,
342 W. 14th Street,
New York, N. Y.

Dear Sir:

Some time ago, we sold a wealthy Chicago man by the name of Jos. N. Patterson who has a home in Libertyville, Ill., some Cannas. His private gardener saw the advertisement in the various trade papers and ordered some considerable amount of the Cannas. Mr. Patterson is a wealthy man and in no way entitled to a wholesale price. He kicked several times on the price charged and would say, we charged him the regular price in our retail catalogue.

We wrote to him advising him that if he could show us stationery or any proof whereby he earned his living growing these Cannas for profit we should be glad to give him the wholesale price—otherwise, the retail price.

He comes back with a letter today as follows: "In regard to your letter of the 16th inst. (copy herein enclosed) kindly point out to me wherein your catalogue of Dec. 25th, 1909 (he refers to our retail catalogue) you state that customers must earn their livelihood in the flower business in order to escape being charged 400 per cent more for your goods than the price at which you advertise them."

We also enclose a copy of the letter sent him today and will you kindly write Mr. Patterson a letter direct, explaining to him that he is not entitled to wholesale prices. He is a man very well able to pay the bill as charged and simply wants to get the wholesale price, which we cannot afford to give him. Yours truly,

E. F. WINTERSON CO.,
Per S. H. Winterson.

WINTERSON'S SEED STORE.

45-47-49 Wabash Avenue.

Chicago, April 26th, 1910.

Mr. Joseph N. Patterson,
Libertyville, Ill.

Dear Sir:

Yours at hand regarding the Canna deal. Would say our retail catalogue is for retail trade only and we charged you the prices listed in this catalogue, such as we would do to any other person ordering Cannas, who are strictly private people.

There is no argument whatever about this case and we would say that the publishers of the trade papers are to blame for your getting the trade papers, wherein different items are listed at wholesale prices. These prices quoted in trade papers are strictly for wholesale people only and not private parties. As we explained to you before, you are in no way entitled to wholesale prices on Cannas.

We have taken the matter up with Mr. Boddington and have asked him to write to you from his standpoint regarding this question.

As to your statement that we charged you 400 per cent more than the wholesale price advertised, we cannot figure it as you do as there is no such difference in the prices. As before explained, the bill rendered you is the regular retail price and for which we expect your immediate check. Yours truly,

E. F. WINTERSON CO.,
Per S. H. Winterson.

ARTHUR T. BODDINGTON, SEEDSMAN.

342 West 14th Street, New York City.
April 29th, 1910.

Jos. N. Patterson, Esq.,
Libertyville, Ill.

Dear Sir:

Winterson's Seed Store, wholesale western sales agents for Boddington's Cannas, write us that you are refusing to pay their bill for Cannas charged to you at their retail catalogue prices, you claiming that you are entitled to wholesale rates for the reason that you are a subscriber to one of the trade papers and thus come in possession of wholesale prices.

While I have nothing to do with this matter, Messrs. Winterson have asked me to write you a letter explaining the practice of the majority of reputable houses in the seed trade in this respect. In my opinion, if you stated in your order to Winterson's Seed Store that you had taken the prices from their advertisement in one of the trade papers, it was up to Messrs.

Winterson the minute they received this order to decide whether they would accept same or not. If they accepted your order under these conditions they have only themselves to blame. If you did not name the prices, in my opinion, they were perfectly justified in charging you their retail prices if that is a general rule in their establishment as it is in ours. We do not supply goods to retail buyers at prices charged to the trade and by "the trade" we mean bona fide Seedsmen, Nurserymen and Florists. Our reasons are as follows:

First—It is necessary for the welfare of our business with the trade to afford protection to them and enable them to make a margin or profit.

Second—It is impossible to handle retail orders on the wholesale margin of profit for the reason that the expense of handling the retail business is much greater. As an example of this our wholesale catalogues complete and mailed costs 3 cents per copy. Our retail catalogue complete and mailed costs 27 cents per copy.

Third—The publication of the majority of seedsmen's catalogues today is carrying on an educational campaign which is making for great progress in Horticulture and it is manifestly to the benefit of mankind and Horticulture that this campaign should be continued. This educational campaign has been carried on for some time with the aid of truthful half-tone engravings and photographic illustrations from nature and with elaborate and extensive cultural directions. This is a heavy expense to the entire trade and is only made possible by the fact that a greater margin of profit can be obtained from the amateur than from the florist purchaser.

The only way that I see out of this difficulty is for every seed house that is publishing a retail catalogue to resolutely stick to the policy of making wholesale prices only to people who are entitled to them. Any other policy will undermine the very foundations of the seed business. Several times lately this matter has come up and in future we shall run a line into our advertisement that the prices advertised in the trade papers are intended for bona fide Dealers, Nurserymen, Seedsmen and Florists only. The conditions of this trade are peculiar. The trade papers have a circulation of about 8,000. Their papers sell for a dollar and to mail them at the magazine rate they are compelled to forward the paper to any person who pays the subscription of \$1.00 per year. An ideal remedy would be to have these papers circulated by private subscription only as the trade papers in Europe are circulated, but if these difficulties continue to increase we shall be compelled to stop advertising prices in the present trade papers and start to circulate a publication of our own by private subscription.

This custom does not extend to any other business that I know of. Recently I mentioned to a member of a firm of hot-water engineers and greenhouse builders that I wished to purchase a steam boiler to heat my dwelling house. This gentleman has on different occasions purchased seed of me and being a member of an allied trade we gave him the courtesy of wholesale prices, but when I asked him about a boiler he told me he could only sell it through any firm of local plumbers or steamfitters I cared to select so that they could acquire their profit. I do not see why the horticultural trade should be an exception. Truly yours,

ARTHUR T. BODDINGTON.

While we do not understand it to be strictly true that the publisher of a trade paper is compelled to accept subscriptions tendered by applicants who are amateurs in order to hold his second-class mail privileges, yet it requires no elaborate argument to prove that a paper, once printed and sent out, cannot be prevented from reaching the eyes of people other than its approved subscribers. It is clearly up to the dealers who advertise wholesale prices to protect their trade buyers by refusing to sell at trade rates to any party who cannot show his right to same, as instanced in the case of the steam boiler dealer above referred to. HORTICULTURE upholds this principle as well-founded and right and, whatever others may do, does not make a practice of accepting subscriptions from amateurs, for that

reason. But, as already stated, the control of the system lies, not with the trade papers, but is wholly in the province of the dealers themselves. We might add that Mr. Winterson's canna advertisement which caused this trouble did not appear in HORTICULTURE.—(Ed.)

No. 4858 in "Weekly Consular and Trade Reports" states that an American consular officer in the Far East reports that a railway company in his district desires to obtain grass seed for making lawns at its various stations and settlements along its entire line. The men in charge do not know just what kind of grass would be most suitable; it is therefore suggested by them that seed men in submitting prices and descriptions bear in mind the climatic conditions of hot, dry summers and long cold winters, together with thin soil full of stones and none too fertile.

The address of applicant may be obtained by writing to the Bureau of Manufactures, Washington, D. C., and mentioning file number.

MICHELL'S SEEDS BULBS ARE GOOD

Send for Wholesale Price List
518 and 1018 Market St., Phila.

VEGETABLE PLANTS

	Per 100	Per 1000
BEET PLANTS	20c.	\$1.25
EGG PLANTS	40c.	2.00
PEPPER PLANTS , Bull Nose, Sweet Mountain and Ruby King	40c.	2.00
TOMATOES , Small Plants, Earli- ana, Early Jewel, Dwarf Stone and Champion, Poncrosa and Match- less	30c.	2.00
TOMATOES , Small Plants, Stone, Paragon, Favorite and Success	20c.	1.00
CABBAGE , full list of leading varieties, 20c. per 100, \$1.00 per 1,000, and for 10,000 and over, 85c. per 1000.		
LETTUCE , Grand Rapids, Big Boston, Bos- ton Market and Tennis Ball, 20c. per 100, \$1.00 per 1000, 10,000 and over at 85c. per 1000.		

CASH WITH ORDERS
R. VINCENT, JR., & SONS CO.
White Marsh, Md.

Cabbage Plants

Early Jersey Wakefield cabbage plants, \$1.50 per M., \$12.50 per 10,000.

W. F. ALLEN
Salisbury, Md.

DON'T FORGET

to give us a trial on Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Fanny Seed. The two latter items ready July and August. We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.**, 1215 Betz Bldg., Philadelphia, Pa.
Katalog for the asking.

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS
BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS
ONION SETS **Get Our Prices** 79 and 81
FLOWER SEEDS **E. KINZIE STREET, CHICAGO**

RUSH ORDERS!

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

James Vick's Sons
ROCHESTER, - N. Y.

Mention this paper



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE
Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

CALIFLOWER'S CABBAGE SEED

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangstraede 20,
COPENHAGEN, DENMARK.

SOW NOW

Primula Obconica Grandiflora, as:
Carmine, Pink, White, Mixed Hybrids,
each separate Tr. Pkt., 50c. 6 Tr.
Pkts., \$2.50.

Primula Chinensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest
Mixture, each separate Tr. Pkt., 50c.
6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

CATALOGUE Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

ESTABLISHED 1820

THORBURN'S SEEDS

KENTIA SEED. New Crop just received from Australia

K. Belmoreana and Forsteriana at \$5.00 per 1000 Seeds

Canterburyana at \$25.00 per 1000 Seeds

We are booking orders now for Harrisii and Formosum and other Japan Lilies, also Roman Hyacinths and Paper White Narcissus.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



**SEASONABLE
SEEDS
FOR THE
FLORIST**

H. F. Fiske Seed Co.,
Boston, Mass.

We Would Announce the Opening of our New Store

"BUDS"

76 Barclay Street, New York

High Grade Seeds, Bulbs and Plants

CARL R. CLOECKNER, Pres.

In ordering goods please add "I saw it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.
ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

NEW FLOWER STORES.

South Chicago, Ill.—C. Clemensen.
Owosso, Mich.—Stuart Beebe, Lave-
rock Bldg.

PERSONAL.

A. Leuthy will sail in July on a busi-
ness trip to Europe.

Wm. Bewesher is now in charge of
Mrs. Butler's Estate at Nahant, Mass.

E. Fawcett has accepted a position
as head gardener at Highfield, Fal-
mouth, Mass.

W. Homburg is now with J. A. Bud-
long, Chicago, Ill., having left the
employ of J. B. Deamud Co.

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow....May 13

Atlantic Transport.

Minnewaska, N. Y.-London....May 14

Minneapolis, N. Y.-London....May 21

Cunard.

Caronia, N. Y.-Liverpool....May 14

Lusitania, N. Y.-Liverpool....May 18

Carpentia, N. Y.-Med't'n....May 19

Saxonia, Boston-Liverpool....May 24

French.

La Provence, N. Y.-Havre....May 19

Hamburg-American.

Graf Waldersee, N. Y.-Ham. May 18

K. A. Victoria, N. Y.-Ham. May 21

Leyland.

Bohemian, Boston-Liverpool May 25

North German Lloyd.

Koenig Albert, N. Y.-Med't'n May 14

K. W. D. Grosse, N. Y.-B'm'n May 17

G. Kurfuerst, N. Y.-B'm'n May 19

Prinzess Irene, N. Y.-Med't'n May 21

Kronprinzessin, N. Y.-B'm'n May 24

Red Star.

Vaderland, N. Y.-Antwerp....May 14

Lapland, N. Y.-Antwerp....May 21

White Star.

Baltic, N. Y.-Liverpool....May 14

Romanic, Boston-Med't'n....May 14

Cymric, Boston-Liverpool....May 17

Oceanic, N. Y.-S'hampton....May 18

Celtic, N. Y.-Liverpool....May 21

Cretic, N. Y.-Med't'n....May 21

Harold Harrison, formerly with W.
R. Boody & Co., York, Me., has re-
turned to the same position.

Henry Eaton is now at F. L. Ames'
Estate, Nahant, Mass. He was for-
merly of Langwater Gardens, North
Easton.

Albert Berno has been appointed
florist at the Ohio Reformatory, Mans-
field, Ohio, Jos. Brumenschenkel hav-
ing resigned.

Perrie Schneider has left the employ
of A. C. Canfield and will take his
old position with the Oakland Floral
Co., at Kirkwood, Mo.

Boston Visitors—A. F. Faulkner, New
York City; Wm. H. Kuebler, Brooklyn,
N. Y.; Frank Millang, New York City.

St. Louis visitors last week included
Mr. and Mrs. Leveridge, Peoria, Ill.; E.
J. Wedderburn, Rockford, Ill.; Martin
Reukauf, representing H. Bayersdorfer
& Co., Philadelphia, returning from a
splendid business trip to the Pacific
coast.

ALEX. McCONNELL

671 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St.

NEW YORK

Our Motto—The Golden Rule

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE BEST LETTERS

FOR **R** THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply
dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always
in Stock

NEW ENGLAND**FLOWER DELIVERIES**

Send flower orders for delivery in Boston
and all New England points

THOS. F. GALVIN
124 Tremont St., Boston

MATTHEWS The
FLORIST
DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

**THE BOSTON
CUT FLOWER CO.**

Will fill orders for flowers, design work or plants
promptly as ordered to any address in Boston
and vicinity. Usual Commission.

14 Bromfield Street, Boston.
Telephone, Main 3681.

TRANSFER

Your orders for flower or plant deliv-
ery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

ROSENS

48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop,
\$1.00, 1000; \$7.50, 10,000. LEUCOTHOE
SPRAYS, 75c, 100. GREEN SHEET
MOSS, \$2.00 large bag.

In ordering goods please add "I saw
it in HORTICULTURE."

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3.

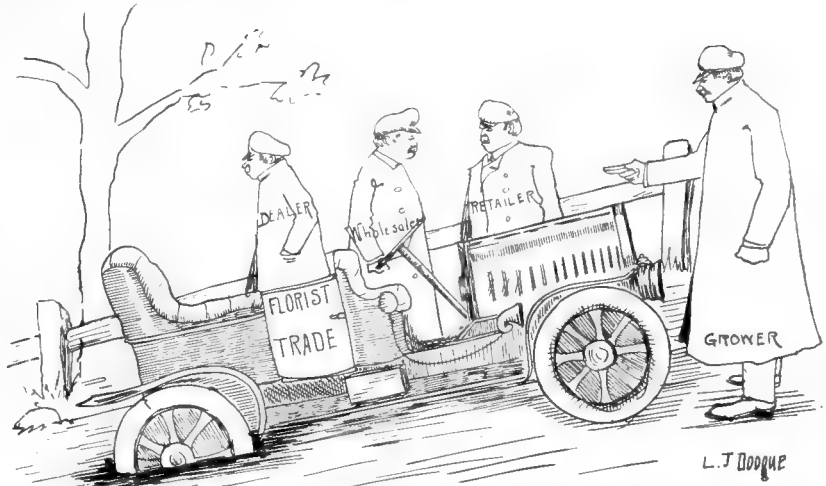
GEO. A. HEINL LEADING FLORIST,
TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

Florists' Refrigerators

Write us for catalogue and Prices, stating size you
require, and for what kind of cut flowers you wish
to use the refrigerator; also state whether you
want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.

Mention HORTICULTURE when you write

AN EMERGENCY.

See here, gentlemen, talking will never get this machine out of the bog. We
must all put our shoulders to it. Come now, all together! !

NEWS NOTES.

Denver, Colo.—The Columbus Floral
Co. has moved to 1553 Curtis street.

Newton, Kans.—The Rosebud Co.
have leased the C. L. Shanks green-
house.

Muskogee, Okla.—The Muskogee
Carnation Co. has been sold to Robert
Bebb, formerly in business at Des
Moines, Ia.

Ashtabula, Ohio.—The partnership
of L. Silvius & Son has been dis-
solved and L. Silvius will hereafter
conduct the business.

Williamsville, N. Y.—The Bryner
property has been purchased by L. H.
Neubeck. He will use these houses
to supply his Main street store.

St. Louis reports that the price of
white carnations advanced to \$5.00 per
100, wholesale, for Mothers' Day, but
there was very little doing. The
weather is blamed for the poor busi-
ness. The weather comes in handy as
a scapegoat in all kinds of affairs that
miscarry.

Montreal, P. Q.—The case against
the Canadian Floral Company for in-
fringement of a municipal by-law
which compels the closing of all re-
tail stores at 7 p. m. on certain even-
ings has been decided in favor of
the defendant. Mr. Hay, the manager,
was able to show that he did a whole-
sale as well as a retail business in
flowers, and the court decided that
this fact exempted him from the obli-
gation to close up at seven o'clock.

FLOWERS FOR MOTHERS' DAY.

Mothers' Day enthusiasts forgot one
thing. Dame Nature does not produce any
more white carnations on Mothers' Day
than on any other day. Then, where are
all the white carnations to come from to
satisfy the extra demand? As a horti-
cultural writer for the trade press, it is my
duty to report the wholesale flower mar-
ket weekly, and I know that there will be
one white carnation to a hundred eager
buyers.

But why limit the tender and creditable
sentiment to a white carnation? Didn't
mother love all flowers—the roses, the
peonies, the sweet peas and all the rest,
as well as the pinks? Of course, she
did!

Just now there are the loveliest of white
roses on the market, plentiful and low

priced—the Bride, the White Killarney,
the Kaiserin Augusta Victoria, the Niphe-
tos, besides many lovely pink shades,
such as my Maryland and Bridesmaid and
Killarney. American Beauty, Richmond
and Liberty are the finest among the red
shades. Sweet peas are good also, pink,
white, crimson and lavender; so are the
old-fashioned double red and pink early
flowering peonies.

The pure white fragrant gardenia is
plentiful and not expensive. The mignon-
ette, the daisy, in white and yellow, the
lilac in purple and white, lovely pansies
in all colors. Lily of the valley and snap-
dragon are all to be had in perfection,
fresh and fragrant, and at exceedingly
reasonable prices. In fact, the choicest
products of the flower growers' art have
never before been of quite as high a
standard of quality as at present, and
prices on the average, have ruled and are
ruling lower than ever before—consequent
on improved growing facilities, modern
equipment and labor-saving methods of
culture.

GEORGE C. WATSON,
in *Phila. North American*.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl
St.

Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boyl-
ston St.

Boston—Hoffman, Florist, 59-61 Massa-
chusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14
Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Ful-
ton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071
Broadway.

Kansas City, Mo.—Wm. L. Rock Flower
Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South
Fourth Ave.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 571 Fifth
Ave.

New York—Young & Nugent, 42 W. 28th
St.

New York—M. A. Bowe, 1294 Broadway.
New York—Dards, N. E. cor. 44th St.
and Madison Ave.

Toledo, Ohio—George A. Heinl.

Toronto, Can.—J. H. Dunlop, 86 Young St.
Washington, D. C.—Gude Bros., 1214 F
St.

Wellesley, Mass.—Tailby.

Don't wait—write to us now, about

Your Decoration Day Order

We are offering the usual seasonable selection of stock, and can promise to fill your orders satisfactorily.

NEW CROP DAGGER FERNS

\$2.50 per 1000.

The best in the market.

LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality. Any Quantity

\$10.00 per 100

BLUE CORNFLOWER, \$1.00 per 100

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ranstead St., Philadelphia

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO May 10	TWIN CITIES May 10	PHILA. May 10	BOSTON May 12
ROSES				
Am. Beauty, Fancy and Special...	30.00 to 30.00	30.00 to 35.00	17.50 to 20.00	18.00 to 25.00
" Extra.....	15.00 to 20.00	20.00 to 30.00	10.00 to 15.00	12.00 to 15.00
" No. 1.....	10.00 to 15.00	15.00 to 20.00	8.00 to 10.00	8.00 to 10.00
" Lower grades.....	5.00 to 10.00	8.00 to 15.00	5.00 to 8.00	3.00 to 5.00
Bride, 'Maid, Chateau, F. & S....	5.00 to 8.00	6.00 to 8.00	8.00 to 10.00	5.00 to 8.00
" " Lower grades.....	3.00 to 5.00	3.00 to 6.00	3.00 to 6.00	3.00 to 5.00
Killarney, My Maryland, Fan, & Sp.	5.00 to 8.00	8.00 to 10.00	8.00 to 10.00	6.00 to 10.00
" " Lower grades.....	3.00 to 5.00	5.00 to 8.00	3.00 to 6.00	1.00 to 3.00
Richmond, Fancy & Special.....	5.00 to 8.00	6.00 to 8.00	10.00 to 15.00	5.00 to 8.00
" " Lower grades.....	3.00 to 5.00	4.00 to 6.00	3.00 to 8.00	1.00 to 3.00
CARNATIONS, Nov. and Fan.				
Ordinary.....	2.50 to 3.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
" " ".....	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00	1.00 to 2.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00	40.00 to 60.00
Lilies.....	10.00 to 12.00	10.00 to 12.50	8.00 to 12.50	6.00 to 8.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Daffodils.....	3.00 to 4.00	2.00 to 3.00	..... to	1.00 to 1.50
Tulips.....	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
Daisies.....	.50 to 1.00	.75 to 1.25	1.00 to 1.50	.50 to 1.00
Snapdragon.....	3.00 to 5.00	6.00 to 8.00	3.00 to 12.50	3.00 to 4.00
Peonies.....	..... to .....	..... to	4.00 to 6.00	..... to
Mignonette.....	2.00 to 4.00	3.00 to 4.00	1.50 to 3.00	.75 to 1.00
Sweet Peas.....	.75 to 2.00	1.00 to 2.00	.50 to 1.00	.25 to 1.00
Gardenias.....	20.00 to 25.00	25.00 to 35.00	5.00 to 25.00	8.00 to 12.00
Adiantum.....	..... to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.50
Smilax.....	10.00 to 12.00	12.00 to 15.00	20.00 to 25.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	45.00 to 60.00	35.00 to 50.00	..... to 50.00
" " & Spreng. (100 bchs.)	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 50.00

New Crop Ferns Now Ready Only \$1.75 per 1000

Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices.

GALAX, bronze or green, 75c. per 1000.

Special lot of Bronze Galax, at \$6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel

bales for \$3.50. Nice Stock. Try a bale. GREEN MOSS, \$1.25 per barrel.

Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard.

Made fresh daily from the woods.

SMILAX, 50 lb. cases, \$6.00.

PINE, 7c. per lb.

Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, \$2.00 to \$3.00 per doz. Boxwood \$15.00 per 100 lbs.

CROWL FERN COMPANY, MILLINGTON, MASS.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. :: :: Price lists on application.

Phone, Main 584. 316 Walnut St., Cincinnati, O.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone Randolph 2758;

Telegraph, Telephone or Bring in Your Orders.

We Grow Our Own Flowers.

Roses and Carnations Our Specialty

Flower Market Reports.

Business is holding up **BOSTON** very satisfactorily and stock is moving through ordinary channels all right as compared with previous years. White carnations have been running in shorter supply with the result of a slight stiffening of rates on all grades. Roses have never been of finer quality at this season than they are now. Whatever may be the situation as regards outdoor flowers for Memorial Day—and nobody can say with any certainty yet—the condition of all indoor crops is very promising and the trade here is looking forward to a very heavy demand. Orchids are looking up, under the impetus of the Orchid Exhibition which opens next week and the call for them is from widely separated territory.

More rain and cloudy **BUFFALO** weather continued for two weeks past and has shortened the supply on cut flowers to such an extent that prices have raised a notch. The demand has been good for carnations and other material, and trade is quite active. A heavy call for peas, lily of the valley and white roses almost makes us think the wedding month has arrived. There is little or no out door stock at present. Lilacs and lily of the valley will be had shortly but are held in check by the cold weather. It must be said that trade has been exceptionally good for the past two weeks.

The market felt the effect of two big days, **CHICAGO** Mothers' Day and the day of the auto parade. The high price of white carnations continued till near the end of the week when it fell to one-half. All the wholesalers report large sales for Mothers' Day, and welcome one more day for special use of flowers. The scarcity of white before the orders were all filled brought the colored into use and it would be most welcome to the trade to have this day celebrated by the use of flowers of all colors. The auto parade also worked off many roses and carnations, though in the decorations as a whole, artificial flowers largely predominated. Snow ferns from Michigan are arriving in good condition and sell for \$2.50 per 1000. The eastern stock from cold storage is also of good quality. Peonies, in white and pink, principally, are coming in quite freely and sell from \$4.00 to \$6.00 per 100, mostly at the latter figure. It is expected that by the time this is in print gladioli will be here in quantity; all colors. Lily of the valley is not plentiful. Asparagus is still coming in from the South and the quality is good. Callas are said by the growers to be in about one-half supply and sell at \$1.50 to \$2.00 per dozen. Hundred rates are seldom quoted.

Detroit reports good trade and firm prices.

(Reports continued on page 707)



BOXWOOD

One of the P. M. Introductions
FOR MEMORIAL DAY

The best lot we ever had to offer our customers, good, hard, dark, glossy green sprays no chance to wilt, as all this stock was gathered before the spring growth started, put up in 50-lb. crates, at
\$7.50 per crate.

CEDAR BARK.

Have you plenty of Cedar Bark? Bundles of about 25 square feet, **\$1.00 each.**
Special price in quantity.



SEASONABLE PLANT OFFERING

BOXWOODS, pot grown, imported stock, nice thrifty plants for window boxes and similar purposes, or for planting out, 35c, 75c, \$2.50 each.

CROTONS, 5 in. pots, 50c; 4 in. pots, 25c ea.

PANDANUS VEITCHI, 6 in. pots, \$1.00 ea.

CRIMSON RAMBLER ROSES, 7 in. pots, 3 years old, well set with buds, 50c, 75c, \$1.00, \$1.50 each.

DOROTHY PERKINS and TAUSEND-SCHON RAMBLERS, well set with buds; 6 inch pots, 75c each.

GARDENIAS for planting for next fall crop of flowers, 2 1/4 inch, \$10.00 per 100; 4 inch, \$15.00.

HINODEGIRI (dwf. brilliant red Azalea), 7 in. pots, \$1.50, \$2.00 each; 10 in. pots \$2.50, \$3.00 ea.

HYDRANGEAS, pink, 8 in. pots, 35c, 50c, 75c, \$1.00 each; 4 year specimens, 4 feet high, \$7.50 each.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW STREET,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	May 10		May 9		May 10		May 10	
ROSES								
Am. Beauty, Fan, and Sp.....	20.00	to 25.00	22.00	to 25.00	20.00	to 25.00	20.00	to 25.00
“ Extra	15.00	to 20.00	19.00	to 21.00	15.00	to 20.00	12.00	to 15.00
“ No. 1.....	8.00	to 15.00	15.00	to 18.00	8.00	to 10.00	8.00	to 10.00
“ Lower grades.....	4.00	to 6.00	3.00	to 10.00	2.00	to 4.00	3.00	to 5.00
Bride, 'Maid, Chatenay, F. & S....	4.00	to 6.00	8.00	to 10.00	.....	to 8.00	6.00	to 10.00
“ Low. gr.....	2.00	to 4.00	4.00	to 8.00	8.00	to 6.00	2.00	to 4.00
Killarney, My Maryland, Fan. & Sp	4.00	to 6.00	3.00	to 10.00	8.00	to 10.00	8.00	to 12.00
“ Lower grades.....	2.00	to 4.00	4.00	to 8.00	2.00	to 4.00	3.00	to 6.00
Richmond, Fancy & Special.....	4.00	to 6.00	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00
“ Lower grades.....	2.00	to 4.00	3.00	to 8.00	3.00	to 5.00	3.00	to 6.00
CARNATIONS, Novelties and Fancy								
“ Ordinary .....	.....	to 3.00	2.00	to 3.00	2.50	to 3.00	2.50	to 4.00
“ .....	.....	to 2.00	1.50	to 2.00	1.00	to 2.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	.....	to	60.00	to 75.00	.....	to	50.00	to 75.00
Lilies.....	8.00	to 12.50	12.50	to 15.00	10.00	to 12.50	.....	to 8.00
Lily of the Valley.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Daffodils.....	.....	to 2.00	3.00	to	1.00	to 2.50	.....	to
Tulips.....	1.00	to 3.00	3.00	to	1.00	to 2.50	.....	to
Daisies.....	.25	to .50	.75	to 1.50	1.00	to 2.00	1.00	to 1.50
Snapdragon.....	2.00	to 8.00	8.00	to 6.00	4.00	to 6.00	4.00	to 10.00
Peonies.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Mignonette.....	2.00	to 3.00	3.00	to 6.00	2.00	to 3.00	1.50	to 3.00
Sweet Peas.....	.50	to .75	.50	to 1.00	.50	to 1.00	.50	to 1.00
Gardenias.....	.....	to	80.00	to 25.00	15.00	to 25.00	.....	to
Adiantum.....	.....	to 1.00	1.00	to 1.50	.75	to 1.00	1.00	to 1.50
Smilax.....	.....	to 12.50	15.00	to	15.00	to 23.00	.....	to 20.00
Asparagus Plumosus, strings (100)	35.00	to 50.00	30.00	to 50.00	50.00	to 60.00	30.00	to 40.00
“ “ & Spren. (100 bchs.)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	30.00	to 40.00

FORD BROTHERS

129 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
 A Full Line of ALL CUT FLOWERS.
 Telephone, 3870 or 3871 Madison Square

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Wholesale Commission Florist,
 Choice Cut Flowers,
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 Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr

All choice cut-flowers in season. Send for quotations. Correspondence with shippers of first-class stock invited.

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Greater New York
Florists' Association,
 Inc.

Now Open for Cut Flower Consignments
 162 Livingston Street, BROOKLYN, N. Y.
 Geo. W. Crawback Telephone Connection
 Manager 3642-43 Main

Moore, Hentz & Nash

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Telephone No. 758 New York
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NEW YORK

Phones 3860-3816 Madison Square

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Florists' Supplies

We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Glassware Decorative Greens and Florists' Requisites

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Simple methods of correct accounting
 especially adapted for florists' use.

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Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**

A full line of Choice Cut Flower Stock for all purposes. Comprises every variety grown for New York market, at current prices

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49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

131-133 West 28th Street, New York

Telephone-3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND

CARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER

55 & 57 W. 26th St., New York City

Open from 5 a. m. to 6 p. m. Sunday
 till 10 a. m.

Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

CUT FLOWERS
 Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending May 7 1910		First Half of Week beginning May 9 1910	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 20.00
" " Extra.....	8.00	to 12.00	8.00	to 12.00
" " No. 1.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Bride, 'Held, Golden Gate, Fancy and Special.....	4.00	to 5.00	4.00	to 5.00
" " Lower Grades.....	.99	to 3.00	.50	to 5.00
Killarney, Fancy and Special.....	3.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Fancy and Special.....	8.00	to 10.00	6.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
My Maryland.....	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy and Novelties.....	9.00	to 4.00	2.00	to 3.00
" " Ordinary.....	1.75	to 1.00	.75	to 1.50

Alexander J. Guttman

THE WHOLESALE FLORIST OF NEW YORK

34 WEST 28th STREET

PHONES. 1664-1665 MADISON SQUARE

ENOUGH SAID

CENTRALLY LOCATED, THE HUB OF THE
 FLOWER MARKET SECTION

CHARLES MILLANG

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses.
 Southern Smilax, Galax and Leucothoe.
 Preserved and Fresh Cut
 Cypas and Palmetto.

Tel. 1519 1519 Mad. Sq. 113 W. 28 St., New York.
 5893

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main



KRIK'S FLORIST
NOVELTIES

Manufacturer and Patentee of the Per-
 fect Adjustable Pot Handle or Hanger,
 Perfect Adjustable Plant Stands and
 the Original Genuine Immortelle Let-
 ters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.
 For Sale by all Supply Houses

Boston Flowers for Memorial Day

We can ship in good order to all points in New England and New York State, all regular lines of Flowers in full supply, besides

PEONIES and SOUTHERN GARDENIAS AS SPECIALTIES

Also GREENS and other Requisites

Last year the weather was unprecedentedly hot and successful shipping was accomplished with difficulty. This year our roses will be packed in ice instead of standing in jars of water until shipping, and we hope to have them arrive at destination in first class unopened condition.

Send for Price List.

N. F. McCarthy & Co., Tel. 5973 Main **84 Hawley St., Boston, Mass.**

WHOLESALE FLORISTS
54 West 28th St.
NEW YORK
Telephone 3559 Madison Sq.

A. L. YOUNG & CO.

**RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.**
CONSIGNMENTS SOLICITED.

Flower Market Reports

(Continued from page 743)

NEW YORK The general tone of the market is dull.

Supply of most every kind of stock is more than enough to meet daily requirements, and prices rule low for the season. The cut of Beauties, Killarneys and Marylands is heavy, which makes almost impossible daily clearances. Carnations are not particularly numerous, but are cheap because of other material being so plentiful. There are plenty of Bridesmaids and Brides, and quite enough of cattleyas and gardenias, the latter selling at very low figures. Thousands of bunches of A-1 quality sweet peas are shipped in every day, and all find a market at some figure. Lilies are in good supply. Of the outdoor stock the sum is made up of lilac, lily of the valley and peonies, most of the latter coming from neighboring southern states, and a few from Jersey and the demand for them is tame.

PHILADELPHIA Wind up was very satisfactory last week. White

carnations realized good figures, although probably not as high as anticipated. There were fully twice as many white carnations sold this year for the Mothers' Day event as last year, at conservative estimate, some authorities claiming that three times would be nearer the mark. Other flowers were affected by this event, also, there being a great many used in mortuary work where otherwise the white carnation would have come in. The general tone of the market was sluggish early in the week but brisked up very materially later. Roses and the general line of flowers in the darker colors were not in as good demand—the lighter colors all along the line cleaning up best. Festiva Maxima peonies are the harbingers in the oncoming army of these, which will be in fine shape this year for Memorial Day work.

An old-time, busy spring is reported by the Detroit garden planters and florists. Bedding plants selling briskly.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited
Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

FLOWER CROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. WHOLESALE FLOWERS ONLY.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending May 7 1910		First Half of Week beginning May 9 1910	
Cattleyas	35.00	to 40.00	35.00	to 50.00
Lilies	2.00	to 5.00	3.00	to 5.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Peonies	4.00	to 6.00	4.00	to 6.00
Tulips	1.00	to 3.00	1.00	to 3.00
Alphonette	1.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bchs)	4.00	to 6.00	4.00	to 6.00
Gardenias	4.00	to 12.00	3.00	to 10.00
Adiantum	1.00	to 1.25	1.00	to 1.25
Smilax	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings	25.00	to 35.00	25.00	to 35.00
“ & Sprea. (100 bchs)	15.00	to 23.00	15.00	to 25.00

FIRE RECORD.

Des Moines, Ia.—The J. S. Wilson Floral Co., on the afternoon of April 28, lost the packing sheds, boiler room and stables by fire. The total loss was \$2,000, insurance \$1,000. The ends of the greenhouses adjoining part of the property burned were damaged and plants for a distance of about 15 feet were destroyed.

BUSINESS CHANGES.

Wichita, Kans.—D. B. Cain & Co. are now proprietors of the greenhouse establishment at 1621 Fairview avenue. Although the greater part of the glass was broken by hail in the recent storm, most of the plants escaped injury and the house is still open to business.

Ford Bros., wholesale florists, New York City, have dissolved partnership, Wm. Ford retiring, and Michael will continue the business. The business

has been moved this week to the new store, 129 W. 28 St.

WARNING No. 1

Stop! Look! Listen!

THE ANNUAL OUTING AND
BEAN FEAST WILL HAPPEN
TUESDAY

JUNE 28th, 1910

Witzel's Point View Grove, White-
stone, Long Island

WATCH THE SIGN BOARD

For other Prognostications
New York Florists' Club Outing, Com-
mittee

HARRY A. BUNYARD, Chairman

SOUTHERN WILD SMILAX

Fully Guaranteed.

LOUISVILLE FLORAL CO.
Louisville, Ala.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ALTERNANTHERAS

ALTERNANTHERAS.
Strong Rooted Cuttings. Per 100 Per 1000
P. Major (red)..... \$0.50 \$4.00
A. Nana (yellow)..... .50 4.00
Brilliantissima (best red)... .60 5.00
R. R. DAVIS & CO., Morrison, Ill.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

Elmer D. Smith, Adrian, Mich.
Asparagus Sprengerii.

Asparagus plumosus nanus from 3 inch
pots at \$5.00 per 100, \$45.00 per 1,000.
Cash with orders. Floral Hill Gardens, G.
F. Nelp, prop., Chatham, N. J.

Asparagus Sprengerii, 2½ inch pots, fine
stock, \$2.25 per hundred, \$20.00 per thousand.
The Good & Reese Co., Largest
Rose Growers in the World, Springfield,
Ohio.

Asparagus Sprengerii, \$15.00 and Plumosus,
\$25.00 per 1000. Albert M. Herr, Lancaster,
Pa.

ASTERS.

Asters, strong, transplanted, ready for 4-
in. pots. Queen of the Market, white,
dark blue and crimson; Early Branching,
white; Mikado, pink; Rochester; Vick's
Early Upright, white and lavender, pink;
Royal Purple, Vick's Violet King, 75c. per
100. E. B. Kretschmer & Son, 1639 Bay-
less Ave., Louisville, Ky.

AQUATICS

Hardy and tender Nymphaeas, all classes.
Choice assortment of aquatic plants, eula-
lias, etc. Prices on application. Edw. S.
Schmid, 712 12 St. N. W., Washington,
D. C.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,
New York.
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BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
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BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
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Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

Bedding Plants. Geraniums in bud and
bloom, Nutt, Trego, La Favorite, Vland,
Jaulin, Poitevine, 3½ inch, \$6.00 per 100.
Heliotrope, 2 inch, and 3½ inch, \$2.50 and
\$6.00 per 100. Fuchsias, best market va-
rieties, including Little Beauty, 2 inch and
3½ inch, \$2.50 and \$6.00 per 100. Sallerol
Geraniums, Abutilon Savitzii, Lemon Ver-
benas, Parlor Ivy, White Marguerite Dai-
sies, 3 inch, \$5.00 per 100. Begonia Sem-
perflorens, Gracilis Vesuvius, etc., Agera-
tum Gurney, 3 inch, \$4.00 per 100. Blue
Lobellias, Achyranthus Lindenii, 2½ inch,
\$2.50 per 100. Hardy Blue Forget-Me-Not's,
heavy clumps, \$2.00 per 100. Cash. F.
Sokol, College St., Worcester, Mass.

BEDDING PLANTS—Continued

200,000 first-class spaced plants, Gerani-
ums Nutt, Buchner, Dbl. Grant, Rose
Scented, in bloom, strong 4-inch, \$5.00;
strong 5-inch, 2 to 6 branches, \$8.00 per
100. Cannas, Vinca var., Heliotrope in
bloom, Lemon Verbenas, strong 4-inch,
\$5.00 per 100; 30,000 Salvias, heavy, 3 and
4-inch, in bloom, \$3.00 and \$4.00 per 100;
2 and 3-inch, \$1.75 and \$2.50 per 100. Mme.
Sallerol Geranium, stocky 3-inch, \$2.50 per
100. Dreer's superb single fringed Petu-
nias in bloom, 3-inch, 4 to 10 branches,
\$3.00 per 100. 30,000 Coleus, 12 varieties,
\$1.50 per 100; \$14.00 per 1,000. 3-inch
Geraniums, \$4.00 per 100. Cash. Wm. S.
Herzog, Morris Plains, N. J.

Zinnias from 2 inch pots \$1.00 per 100.
Madam Sallerol Geraniums from 2½ inch
pots \$3.00 per 100. J. B. Shurtleff, Cush-
man Ave., Revere, Mass.

BEDDING PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.
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BEGONIAS

Robert Craig Co., Philadelphia, Pa.
Lorraine, Young Stock.

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Begonia Lorraine and Agathe, 2½ in.,
twice transplanted, \$12.00 per 100; in 500
lots, \$50.00 the 500. Julius Roehrs, Ruther-
ford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for
greenhouse heating. Lord & Burnham, 1123
Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts.
each in Stamps. C. S. Harrison, York,
Nebraska.

BOXWOOD TREES

A. Leuthy & Co., Roslindale, Mass.
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New England Nurseries, Inc., Bedford,
Mass.

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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list.
Julius Roehrs, Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all descrip-
tion for All Cypress, Semi-Iron, Iron Frame
or Truss Houses. Hot Bed Sash and
Frames. Lord & Burnham Co., 1123 Broad-
way, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,
Boston.

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J. M. Thorburn & Co., 33 Barclay St.,
New York.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Mitchell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St.,
Boston.

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Yokohama Nursery Co., 31 Barclay St.,
New York.

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BULBS AND TUBERS—Continued

Ralph M. Ward & Co., 12 W. Broadway,
New York.

French Bulbs, Horseshoe Brand.
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Schlegel & Fottler Co., 26 & 27 S. Market
St., Boston.

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H. E. Fiske Seed Co., Boston, Mass.

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E. S. Miller, Wading River, N. Y.

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Yokohama Nursery Co., New York, N. Y.
Surplus Stock.

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"Buds", New York, N. Y.

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CANNAS

CANNAS—Best sorts, big stock. Send
for list. C. Betscher, Canal Dover, O.

CAPE JESSAMINES

Miss A. Washington, Alvin, Texas.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.

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Chicago Carnation Co., Joliet, Ill.

Sangamo and Conquest.

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J. D. Thompson Carnation Co., Joliet, Ill.
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Jacob Becker, Philadelphia, Pa.

CARNATIONS—Send for prices on what
you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per
1000, postpaid. I. L. Pillsbury, Galenburgh,
Ill.

CATTLEYAS

Alphonse Pericat, Collingdale, Pa.
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CEMETERY VASES

N. F. McCarthy & Co., Boston, Mass.
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E. H. Hunt, Chicago, Ill.

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CHRYSANTHEMUMS

J. D. Thompson Carnation Co., Joliet, Ill.
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Wood Bros., Fishkill, N. Y.

Rooted Cuttings.

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R. Vincent, Jr. & Sons Co., White Marsh,
Md.

Hardy Chrysanthemums.

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Rooted cuttings of Frost, Golden Glow,
Monrovia, Roslere, etc., ready from Jan.
20 on, at 50c. doz., \$2 per 100, no less than
50 at 100 rate. I. M. Rayner, Greenport,
N. Y.

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CHRYSANTHEMUM ROOTED CUTTINGS
WHITE—Lynnwood Hall, Tousey, A. By-
ron, T. Eaton, Chadwick, J. Nonin, Ivory,
Desjouis.

PINK—Amorita (very early), Glory of
Pacific, M. Dean, Mary Mann, Rosette,
Pink Ivory.

YELLOW—Golden Glow (very early), M.
Bonnaillon, Y. Eaton, Cremona, Robt. Hall-
iday, Golden Eagle, Yellow Jones, G. Chad-
wick, Baby. Send for price list.

Wm. Swayne, Box 215, Kennet Sq., Pa.

Chrysanthemums. Golden Glow, Poehl-
mann, Desjouis, Pacific, Roosevelt, Nonin,
Monrovia, etc., 20 varieties, strong rooted
cuttings, \$1.00 per 100. List. Edward
Wallis, Atco, N. J.

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CHRYSANTHEMUMS—Continued

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Nonin, Polly Rose, Ivory and Yellow Bonaffon, \$7.50 per 1,000. Yellow Jones, Amorita, White Jones, Minnie Bailey and Gen. Vivien \$10.00 per 1,000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

Gloria, 100 \$2.50; Pres. Taft, Mrs. W. E. Kellogg, 100 \$3.00; Golden Glow, Pacific Supreme, White Cloud, 100 \$1.25. Rooted cuttings prepaid. Gloria, 2½ in., \$3.00 Chas. Frost, Kenilworth, N. J.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

COLEUS

J. E. Felthousen, Schenectady, N. Y.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

Or. Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CUT FLOWERS AND PLANTS**WANTED**

WANTED—The names of growers that can supply me with cut flowers and potted plants, with prices, for Memorial Day trade, as I am opening up for business at the Franklin Greenhouses. Wm. Doel, proprietor, Franklin, Mass.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen Giganteum, extra well grown plants from 2½ in. pots, \$5.00; from 3 in. pots, \$7.00 per 100. Paul Mader, East Stroudsburg, Pa.

Cyclamens—finest stock—in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs, Rutherford, N. J.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Acto, N. J.

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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia King, E. Bridgewater, Mass.

Dahlias, 20 kinds, \$1. Grand Prize, St. Louis. Gold Medal, Buffalo. Catalogue. H. F. Burt, Taunton, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Shasta Daisy Alaska, extra large, field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.
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Godfrey Aschmann, Philadelphia.
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DRACENAS

Dracena indivisa, one year, bench grown, transplanted, well rooted stock, \$1.50 per 100; \$12.00 per 1000. Cash. E. Fryer, Johnstown, Pa.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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C. R. Burr & Co., Manchester, Conn.
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FERNS

A. Leuthy Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.
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Frank Ochsalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Nephrolepis Pruessneri. This beautiful, new and fluffy fern now ready again. Strong 2½ inch plants at \$3.00 per dozen delivered anywhere in the United States by mail. By express (you to pay the charges), \$20.00 per 100; \$175.00 per 1000. Cash please. J. D. Pruessner, Galveston, Texas.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.
Evergreen Brand Fertilizer.

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Wm. Elliott & Sons, New York, N. Y.
Clay's Fertilizer.

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Hosea Waterer, Philadelphia, Pa.
Thomson's Vine and Plant Manure.

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Eastern Chemical Co., Boston, Mass.
Imp. Plant Food.

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FEVERFEW

Feverfew R. C. 75c 100 prepaid. Chas. Frost, Kenilworth, N. J.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.
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S. S. Pennock-Meehan, Philadelphia, Pa.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.

Thousands of Geraniums, mixed, all double; 2½ in., \$2.50 per 100; 3 in., \$4.00 per 100. Mme. Sallerol, out of 2-inch, fine plants, \$2.00 per 100. Verbenas, out of 2-inch, separate colors or mixed, \$2.00 per 100. Seedling Verbenas, five separate colors, or mixed, \$10.00 per 1000. Geraniums in 4-inch pots, \$8.00 per 100. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirer, 6417 Carnegie Ave., Cleveland, O.

Geraniums, rooted cuttings of Riccard, Poltevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

GLADIOLI

E. S. Miller, Wading River, L. I., N. Y.
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Gladioli. Brencleyensis and Buchanan, first and second sizes, also planting stock at special prices. Also other varieties and strains. Contracts made for fall delivery. My soil, climate and method are well adapted to the production of mature sound stock.

John H. Umpleby, Lake View, N. Y.

Gladioli. Groff's Hybrids. White light and yellow mixture. Pink and shades of pink mixture. All first sized bulbs, at \$1 per 100, \$7 per 1000. C. Peirce, Dighton, Mass.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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In writing to Advertisers kindly mention Horticulture

GLASS -- Continued

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.
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Hitchings & Co., 1170 Broadway, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Peky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

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Hitchings & Co., 1170 Broadway, N. Y.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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Rice Bros., Minneapolis, Minn.

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HARDY PERENNIALS

Wm. Tricker, Arlington, N. J.

HARDY VINES AND CLIMBERS

Henry A. Dreer, Philadelphia, Pa.

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HELIOTROPES.

Heliotrope R. C., prepaid, 75c. per 100. Chas. Frost, Kenilworth, N. J.

HEATING APPARATUS

Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.

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HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

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HOSE

Henry A. Dreer, Philadelphia, Pa.

Garden Hose.

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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Nicotinide kills all greenhouse pests.

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Lemon verbena rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

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Ornamental Shrubs.

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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
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ONION SETS

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Fresh Imported and Established Orchids.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs, Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Orchids—largest stock in the country.

Stove plants and Crotons, finest collection.

Julius Roehrs, Rutherford, N. J.

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PANSY PLANTS.

Ready now. 250,000 fine large fall transplanted Pansies in bud and bloom. Superb strain, the finest market strain grown. A trial order will convince you that these are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10.00 per 1000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

Pansy plants, Kenilworth strain, 100 prepaid \$1.00; by express 1000 \$8.00. Extra large, 1000 \$15.00. Chas. Frost, Kenilworth, N. J.

Pansy plants—choice, fancy, large plants in bud and flower, \$3.00 per 1000. Union Gardens, Amherst, Mass.

5000 Pansies, 2 inch pots. Write Locust Street Greenhouses, Oxford, Pa.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
Double Petunias.
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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Henry A. Dreer, Philadelphia, Pa.

PLANTS WANTED

WANTED—Strong Plants of Penisetum Rupellianum. Address Box 13, Fuller Building, Jersey City, N. J.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

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Hardy Climbers.
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Montrose Greenhouses, Montrose, Mass.
Grafted and Own Root Roses.

Roses, from 2½ inch pots, fine stock. The following varieties at \$3.00 per hundred, \$25.00 per thousand, 25 plants of a kind at the hundred rate, 250 at the thousand rate:

Agrippina	Bride
Bridesmaid	Bon Silene
Clothilde Soupert	Coq. de Lyon
Catharine Mermet	Crimson Rambler
Golden Gate	Mrs. Ben. K. Cant
Mad. Abel Chatenay	Mad. Joseph Schwartz
Mlle. F. Kruger	Safrano
White Bougere	

The following varieties at \$3.00 per hundred, \$27.50 per thousand:

Antoine Revoire	Climbing Kaiserin
Cl. Meteor	Cl. Malmaison
Etoile de Lyon	Gross an Teplitz
Helen Gould	Hermosa
La France	Maman Cochet
Mad. de Watteville	Mad. Weihe
Pink Cochet	Papa Gontier
Souv. de la Malmaison	White Cochet

The following at prices named:

Blumenschmidt	Per 100
Climbing Killarney	\$3.00
Climbing Perle des Jardins	4.00
Dinsmore	3.00
Helen Good	3.00
Kaiserin Augusta Victoria	3.00
Killarney	3.50
Margaret Dickson	3.50
Mrs. John Laing	3.50
Mad. Masson	3.00
Mad. Chas. Wood	3.00
Marechal Niel	3.00
Perle des Jardins	3.00
Rhea Keld	3.50
Souv. de Pres. Carnot	3.00
Wellesley	3.00
Wm. R. Smith	3.00

The Good & Reese Co.
Largest Rose Growers in the World, Springfield, Ohio.

The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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STEVIA

Stevia rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

STOCKS

Ten-weeks' stocks, white, dark blue, crimson, 2½ in., \$2.00 per 100.
P. Pearson, 1725 N. Campbell Ave., Chicago.

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Cabbage plants, from seedbed. Early Jersey Wakefield, Danish Ball Head, Rock Red, Zenith, etc., \$1.25 per 100.
P. Pearson, 1725 N. Campbell Ave., Chicago.

In writing to Advertisers kindly mention Horticulture

VENTILATING APPARATUS

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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLET THREAD

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Green Silkline.

WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, La.

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Why HORTICULTURE has stood the test as a profitable Advertising medium for the trade.

Because It is read by the men of standing and influence in the Horticultural field, every one of whom is a prospective buyer.

Why HORTICULTURE is so widely read.

Because Its contents are distinctly representative of American Horticulture and are thus indispensable to the Florist, Nurseryman, Seedsman and Gardener.

An Admirer of HORTICULTURE in the Central West writes; "It has won on its merits. It is our most prized weekly visitor."

And Now How HORTICULTURE has managed to elbow its way in between its older rivals and why the best trade advertisers find it an indispensable auxiliary.

It's No Secret That the men who read HORTICULTURE are the sort of men that advertisers like to talk to and if you have anything to advertise you can't afford to get along without them.

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Kervan Co. 744	Smyth, Wm. J. 740
Kessler, P. F. 744	Standard Plate 755
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rell 733	Syracuse Pottery 754
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MASSACHUSETTS AGRICULTURAL COLLEGE.

The following letter is being sent out by Prof. T. C. Waters of the Department of Horticulture:

Dear Sir:—I am carrying on some research work at the college in connection with my graduate course and am making a special investigation of rose culture. I wish additional information from practical growers along certain lines and shall appreciate your kindness in answering the following questions:

1. Varieties of roses?
2. Size of range and annual output?
3. Soil composted or prepared directly in field?
4. Kinds of manures or fertilizers used in preparation of soil, and amounts used?
5. Do you grow own root or grafted stock?
6. What opinion have you formed regarding the merits of these two methods?
7. Do you use blind wood or flowering wood for cions?
8. How often do you replant your beds or benches?
9. What kind of benching do you find best adapted to rose growing, solid beds or raised benches?
10. Fertilizers used for forcing crop, do you use liquid manures or chemicals, or both? If chemicals what kinds?
11. Watering, do you believe in soaking? If so, under what conditions?
12. Do you keep records of blooms produced per plant for each variety or house for the year or month? If so, will you kindly state your average monthly yield of the different varieties?
13. Which type of house do you find best adapted to rose growing, even span, 2-3 span, etc.?
14. Do your houses run east and west or north and south? If you have both kinds, which do you find to be best?
15. What is your heating system?
16. What remedies or preventions do you use for red spider, green fly, thrips, rose slugs, ell worms (root galls), mildew and black spot?
17. Is your market local or long distance?
18. What is the average price?

Very truly yours,
T. C. WATERS.

NEWS NOTES.

Stuart Low & Co. write that after exhibiting flowers of Lyon rose in the warm atmosphere of the hall at the Royal Horticultural Society in London they despatched the blooms to Falmouth, 300 miles distant, and they looked quite well at the exhibition there on Thursday and Friday, well demonstrating the lasting qualities of the variety.

The Engelmann Botanical Club held an interesting meeting last Monday night in the Central High School Bldg., St. Louis. Prof. Geo. T. Moore's paper on "Life in the Soil" was very interesting. Secretary Jensen says that the

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THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

HELP WANTED

WANTED—Young man who thoroughly understands Orchids, and with experience with Sweet Peas, Carnations and Garden Stuff. Write giving full particulars as to experience to the Altimo Culture Co., Canfield, Ohio.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

WANTED—At once, a young man for general greenhouse work; must be a good willing worker; state wages expected. P. M. Olin, Bath, Maine.

SITUATIONS WANTED

WANTED—Good private place by experienced German gardener; age 32; married; two children; 11 years in Europe, 8 years in U. S.; has also had commercial experience. First class references. F. F., care HORTICULTURE, 9th and Market Sts., Philadelphia.

WANTED—Position as a gardener and general superintendent on estate. Seven years in last position. Highest references. W. B. Jackson, care HORTICULTURE, 11 Hamilton Place, Boston.

FOR SALE

Opportunity of a Lifetime

FOR SALE—A well established money-making up-to-date wholesale commission company in Denver, Colo., dealing in Cut-flowers and Florists' Supplies. No competition. Only small amount of cash required.

Address communications to N. A. BENSON, 1360 So. Sherman Street, Denver, Colo.

Greenhouse plant for sale, 20 miles from Boston. 4 acres A-1 land in centre of village, frontage on two streets, plenty fruit. Greenhouse 150 x 30 ft., built less than two years, 16 x 24 glass Furman boiler. Good barn, unfailing water supply pumped by gasoline engine. If sold at once will take \$2800, 1-2 down, price is less than cost of buildings. This is one of the best greenhouse locations in Middlesex County. Howard C. Burr, South Sudbury, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Two thousand agats, 16x24, double thick glass, 20 lights per box, 10c. per light, F. O. B. Littleton. Frank M. Richardson, Littleton, N. H.

meetings of late have been well attended. All in the trade regardless of membership are invited.

Obituary.

Samuel W. Saunders.

Samuel W. Saunders, father of Ernest Saunders, florist, Lewiston, Me., died at his home in Lewiston, on May 6, aged 68 years.

Henry Blanksma.

Henry Blanksma, of the firm of Blanksma Bros., Kalamazoo avenue, Grand Rapids, Mich., died May 5th at Reed's Lake Sanitarium, in his thirty-eighth year.

Henry C. Eickhoff.

Henry C. Eickhoff a well-known nurseryman, died suddenly on April 29 of heart trouble, at his home, near Indianapolis, Ind. Mr. Eickhoff was born June 9, 1853, on the farm where since his twentieth year he carried on the nursery business. Originally he conducted the business in partnership with his brother, Edward A. Eickhoff, under the firm name of Eickhoff Bros. In later years, however, he conducted the business in his own name.

His home and surroundings were always a beautiful example of landscape gardening. In 1907 he became ill with heart disease and complications, from which he never fully recovered.

He leaves a widow, formerly Miss Elizabeth Kuehn, and eight children, five girls and three boys.

Thomas E. Marr.

Thomas E. Marr, whose reputation as a photographer of landscapes was national, died at 16 Hiawatha road, Mattapan, Mass., the home of his son, on May 7. He had been ill with the grippe when he returned to his studio on Sunday, and a relapse which followed proved fatal.

The death of Mr. Marr is a loss to photography as an art. He was a maker of camera pictures the greater part of his life. He learned the daguerrotype business in his early manhood and, after photography was invented, turned all his energies toward perfecting the new art.

A number of the pictures of Mark Twain printed since the humorist's death were the work of Mr. Marr. He had also photographed many other notables. It was as the photographer of landscapes that his fame was greatest, however. He furnished many magazines and periodicals with illustrations and was called upon to photograph many of America's show places.

Mr. Marr was 61 years old and a native of Nova Scotia. He had been in business in Boston for forty years.

W. E. Hall.

Wm. E. Hall, passed away at his home at Clyde, Ohio, Tuesday, May 3rd, aged fifty-three years.

His severe illness of four weeks' duration was due to a relapse after having a siege of the grip. Mr. Hall was born May 17, 1857, and raised in Clyde, where he has spent all of his life. He was married to Eva Stark, June 17, 1885. To this union were born four sons, Eugene, Breese, Lloyd and Frank and two daughters, Amy and Lulu, who with the sorrowing wife and mother are left to mourn the loss of a loving husband and father. He also

leaves an aged father, Ezra Hall, who thirty years ago started in the floral and gardening business in Clyde. He retired in 1898 and the business has since been carried on by his son, the subject of this sketch, in a most prosperous manner, and in latter years he has been assisted by his sons, Eugene and Breese. Through his prosperous business as a florist he has gained a wide reputation and was also well known and highly respected by the community at large. The funeral on Friday, May 6, was attended by many florists, among those from out of town being I. Husbands of Bellevue and Messrs Bayer and Krueger of Toledo. Deceased was a member of the S. A. F., American Carnation Society and Toledo Florists' Club.

NEWS NOTES.

Jefferson City, Mo.—The Jefferson Floral Company's plant of five greenhouses has been purchased by Hugo Bush.

Port Arthur, Tex.—A new nursery has been started here. C. D. Otis of Lake Charles, La. and John W. Gates are the chief stockholders.

Goshen, Ind.—Fifty acres near here have been purchased by A. E. Kunderd, formerly of North Wayne, and will be planted to gladioli.

Olean, N. Y.—The Whitney Avenue Greenhouses have been sold to Edward Long. Mr. and Mrs. Johnson, who have conducted them for nearly a quarter of a century, will retire.

Kansas City, Mo.—Mr. Hall's interest in the Rudy-Hall Seed Co., 732 Minnesota avenue, has been purchased by Frank Rudy, who will hereafter conduct the business under the name of The Frank Rudy Seed Co.

Harrisburg, Pa.—The Berryhill Nursery has purchased 45 acres of land on the Johnstown road from R. Sherman Care. The nursery has been located at 13th and Berryhill streets. O. P. Beckley is president.

Massillon, Ohio.—Tom and Frank Kester have leased four acres of land east of this city and will erect two greenhouses. They will establish temporary quarters in the Crone Bldg., South Erie street. Frank Kester was formerly employed by A. Weaver.

West Quincy, Mass.—George F. Elcock, a well-known dahlia fancier, plans to give residents and visitors something well worth looking at during the coming summer. He has imported from Germany and France many new cactus dahlias, all of which took prizes at the London Union last year.

San Francisco, Cal.—Luther Burbank, whose experiment farms are situated at Santa Rose, has offered his seeds for sale this year through several houses among which is the "Emporium" of this city. This is the fact back of the widely circulated rumor that Mr. Burbank had opened a retail store in the Emporium.

Westboro, Mass.—Wm. M. Gardner, a florist at 50 High street, has recently received word from his old home in Dumfries, Scotland, that he is one of the four heirs to \$25,000, left by the death of his uncle. The Scotland lawyers who have been settling the estate have been searching for Mr. Gardner since last June.

PUBLICATIONS RECEIVED.

The Boston Museum of Fine Arts, by Julia de Wolf Addison, author of Arts and Crafts in the Middle Ages. This elegant volume gives a descriptive and critical account of the rich and rare treasures collected together in the Boston Museum of Fine Arts, which represents the arts and crafts from remote antiquity to the present time. The cover presents a picture in gold of the main entrance to the splendid new building recently occupied by the museum, and there are sixty full page illustrations, with two diagrams showing the arrangement and lay out of the two main floors. The contents are in fifteen chapters covering American Painting, Old Masters, French School, Persian and other Textiles, Pottery and Tapestry, Glass, Porcelain Art, the Buffam Collection of Amber, Prints, Egyptian, Classical and Greek departments, Coins, Chinese and Japanese Sculpture, Painting and Metal Work and Oriental Pottery and Porcelain. The decorative artist will find in the pages devoted to the classical department and pottery exhibits very much that is instructive and helpful to anyone seeking to advance in the practice of floral decorative art.

The book is published by L. C. Page & Co., Boston; the price, \$3.00.

From the same publishers have just been issued two books of fiction, both being works of unusual merit. **A Cavalier of Virginia**, by G. E. Theodore Roberts, with illustrations by Louis D. Gowing, is an absorbing story full of adventure and tragic word pictures. Price \$1.50. **Kilmeny of the Orchard**, by L. M. Montgomery, with four illustrations in color, from paintings by George Gibbs, is a delightful little romance, replete with thrilling situations and sweet sentiment. Price \$1.25, postpaid. Either one of these books will make an acceptable gift for either sex. The typographical work, binding, etc., are par excellence.

"Transactions Illinois State Horticultural Society."—This is a very interesting and valuable book of 554 pages. Besides the papers and discussions at the 1909 annual meeting of the State Horticultural Society it contains the proceedings of the meetings of the Northern, Central and Southern Illinois Societies for 1909, and much other information of practical use to fruit and vegetable growers. The papers on "Asparagus Culture"; "A Maple Leaf by T. J. Burrill, of the University of Illinois"; "Making and Use of Concentrated Lime-Sulphur" by Prof. John P. Stewart, State College, Penn.; "Problems in the Pollination of Fruits" by Prof. S. A. Beach, Ames, Iowa; "The Gypsy and Brown Tail Moths," by Dr. S. A. Forbes, State Entomologist; "Results of Spraying Experiments" by R. B. Howe and W. S. Perrine, and the discussion of "Smudge Pots as a Protection from Frost" are of special interest just now.

This society is doing good work. Any person paying one dollar may become an annual member and receive a copy of the report postpaid; officers of County Farmers Institutes in Illinois may have copies for free distribution among members by ordering of the Secretary and paying the express charges. Upon application copies of

the book will be furnished school and other libraries of the State, and to local Horticultural Societies. Applicants are expected to pay express charges or send stamps to cover postage.

All communications should be addressed to W. B. Lloyd, Secretary, Kimmund, Ill.

A new method of preventing potato disease is suggested by a West-country correspondent, who writes that by an accident a bluestone solution found its way on to a heap of seed potatoes, and when these potatoes were sown it was remarked that they grew the only healthy part of the crop.—*Market Growers' Gazette*.

CLAY'S

For Fertilizing the Soil

56 lb. \$3.25

WM. ELLIOTT & SONS,
42 Vesey St., New York.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating



25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Shaw & Walter Co. 50 Barclay St., New York.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing; wherever you use it, the Deeming "Perfect Success" saves time and trouble and does better work.

Deeming Spray Pumps
Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and spraying Calendar free. We make Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.,
281-285 Franklin Street. BOSTON



Bind Your Elms with Strookum It Stops Caterpillars

A perfectly harmless banding substance that lasts an entire season. Does not look unsightly. Caterpillars or tussock moths will not crawl over it and cannot crawl under it. Anybody can put it on.

Send \$3.00 at once for sample package of 15 pounds, enough to band fifteen trees, three feet around. Express paid East of the Mississippi; 50c. extra West of it. Send for a booklet.



George Stratford Oakum Co.

164 Cornelison Avenue. JERSEY CITY, N. J.

Immediately Available Plant Food EVERGREEN BRAND FLOWER FERTILIZER

It permanently enriches the soil. It prevents the onslaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

D. D. Johnson, 64-66 Wabash Ave., Chicago.

Write for further information

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



Thomson's
Vine and
Plant
MANURE

Imported from Clovenford, Scotland

Indispensable for the highest results
in Vine and Plant Culture

56 pound bag \$3.00
Two bags - 5.75

HOSEA WATERER, Seedsman,
107-109 So. 7th St. Philadelphia

IMP PLANT FOOD

Highest Ever Analyzed

For trade only

7 lb. Box \$1.25

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
**Pearson Street,
LONG ISLAND CITY, N. Y.**
A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.

**452-460 No. Branch St.
CHICAGO, ILL.**

NEWS NOTES.

The florists' Hail Association is adjusting losses at Durham, N. C.; Dallas, Texas; Oklahoma City, Oklahoma; and Wichita, Lawrence, Emporia, Strong City, and Manhattan, Kansas. So far Wichita, Kansas, has had the prize hail storm for 1910, seventy-five per cent. of the glass in the town having been destroyed by the storm of May 1st.

Hastings, Neb.—Further report of the damage done by hail to the greenhouses of C. W. Sidles is to the effect that he lost 1700 lights of glass and the Tanher greenhouse lost about the same amount. Chas. Winkler had his glass protected with wire netting, so he lost no glass at all. Sidles was insured and received \$150. Tanner had no insurance.

PATENTS GRANTED.

- 956,601. Lawn Mower. William M. Potter, Syracuse, N. Y., assignor to E. C. Stearns & Co., Syracuse, N. Y.
- 956,654. Lawn Trimmer. Orla H. Watkins, Ames, Iowa.
- 956,771. Portable Greenhouse or the like. Edward C. Kline, Streator, Ill.
- 957,009. Lawn Mower. Josiah H. Smith, Philadelphia, Pa., assignor to William H. Tigerman, Philadelphia, Pa.

IRON VASES



Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thousands in use.

**Over 100 styles and sizes
\$3.00 to \$75.00 each**

Write for price list to
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Hunt's Spiked Cemetery Vase

Beautiful Clear Crystal Glass, heavy to stand hard usage, 4 1/4 inch diameter and 9 inch deep. Each 20 cents, \$1.40 dozen, 5 dozen (1 bar. cl) \$6.25. White Enamel Lawn or Cemetery Vase. Made of heavy Tin Sheeting, Enamelled White.

No. 1—4 1/4 x 6 3/4 inches. 20 cents each, \$2.00 per dozen
No. 2—3 1/4 x 6 3/4 " 15 " 1.60 per dozen

E. H. Hunt, 76-78 Wabash Avenue, Chicago

GREENHOUSES BUILDING OR CONTEMPLATED.

- Duluth, Minn.—R. Lutey, one house.
- Davis, Calif.—University Farm, one house.
- St. Joseph, Mo.—Stuppe Bros., range of houses.
- Roscoe, Ill.—Miss Fyler, fern house 6x105 feet.
- Cornwall, Conn.—John E. Calhoun, one house.
- West Milan, N. Y.—Ernest Dyle, one house.
- West Milan, N. Y.—C. A. Williams, one house.
- Danvers, Ill.—Leo Wellenreiter, two houses 20x65 feet.
- Woburn, Mass.—William Ward, house 30x150 feet.
- Waterbury, Vt.—A. L. Crossett, one house, this summer.
- Peckville, Pa.—Thomas Hodgson, Rose St., one house.
- Mount Sterling, Ky.—John Corbett, two houses 30x80 feet.

Kirkwood, Mo.—Oakland Floral Co., four houses each 28x200 feet.

Chillicothe, Mo.—R. L. Isherwood, West Calhoun street, one house.

Baltimore, Md.—Chas. Cook, Old Frederick Road, range of houses.

Massillon, Ohio.—Tom and Frank Kester, two houses each 20x100 feet.

Pawtucket, R. I.—William Hoffman, house 38x128 feet, house 28x100 feet.

Leavenworth, Kans.—Sunnyside Floral Co., two rose houses 24x150 feet.

Milton, Mass.—C. F. Fairbanks, White and Central avenues, one house.

West De Pere, Wis.—A. Van Gemert, house 24x150 feet, concrete benches and walls.

Kennett Sq., Pa.—Yeatman & Way, house 60 x 200 feet. King Construction Co., material.

Cleveland, Ohio.—G. M. Naumann range of houses to contain 4200 square feet of tile benches.

Moberly, Mo.—Mrs. R. S. Estill, violet house next fall, two rose and carnation houses next year.

Johnstown, Pa.—H. H. Mishler Produce Co., five houses 25x325 feet. King Construction Co., material.

In our issue of May 7th we reported that E. J. Wooden was building a violet house at Schultsville, N. Y. Mr. Wooden now informs us that it should be Stanfordville, N. Y.



DREER'S

Florist specialties.
New Brand New Style,
Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
1/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
1500 3 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
450 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.78	12 14 " " "	4.80
		6 16 " " "	4.90

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best.

Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

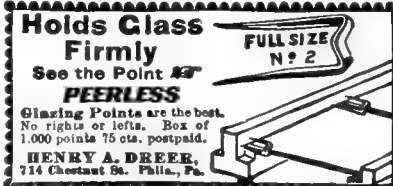
W. H. ERNEST

28th & M Sts., Washington, D. C.

All The Clay for our Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

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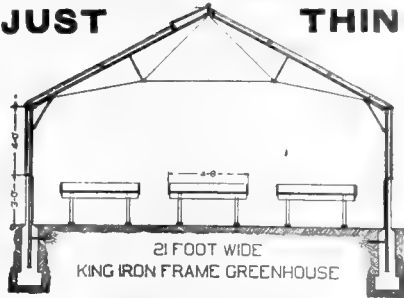
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Horticulture

VOL. XI

MAY 21, 1910

NO. 21

Orchid
Number

1910

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE BOSTON, MASS.



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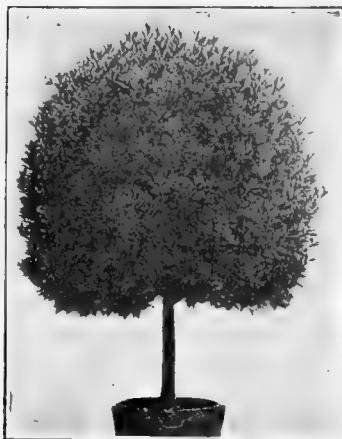
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Fuchsias, assorted colors, 4-in., \$7.00 per 100.

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Lantanas, assorted, 4-in., \$7.00 per 100.

Vinca Variegata, 4-in., large, for vases or window boxes, 10c to 12c.

Primula Obconica (blue), in bloom, 5-in., \$2.00 per doz.

Dracaena Indivisa, 5 to 5½-in., 25c.

Crimson Rambler Roses, 7 to 8-in. pots, 75c, \$1.00, \$1.25 to \$1.50. Other ramblers, 6 to 7-in. pots, 35c and 50c.

Dorothy Perkins, one of the best new pink Ramblers, pot grown, 2 to 3 years old, 35c to 50c.

Kentia Belmoreana and **Forsteriana**, 4-in., 20c. **Kentia Belmoreana**, 3-in., 10c. **Kentia Forsteriana**, 6 to 7-in., 40 to 50-in. high and over, \$2.00, \$2.50 to \$3.00. **Hydrangea Otaksa**, in bud, 6-in., 25c, 35c to 50c.

Cobaea Scandens, 4-in., 10c.

All plants 25 at 100 rate. Cash with order, please. All plants must travel at risk of purchaser only. Watch our ad for Araucarias about May 10.

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Salpiglossis.

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Centaurea Gymnocarpa (Dusty Miller).

Echeveria glauca, also large plants, \$4.00 and \$5.00 per 100.

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Nephrolepis. We have the following to offer: **Whitmanii**, Boston, Scotti, medium size, 4-in., \$20.00 per 100. **Schoelzei**, medium size, 4-in., \$25.00 per 100.

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*The Greatest
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It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

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PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

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 nobile, and Wardianum and Vanda coerulea.

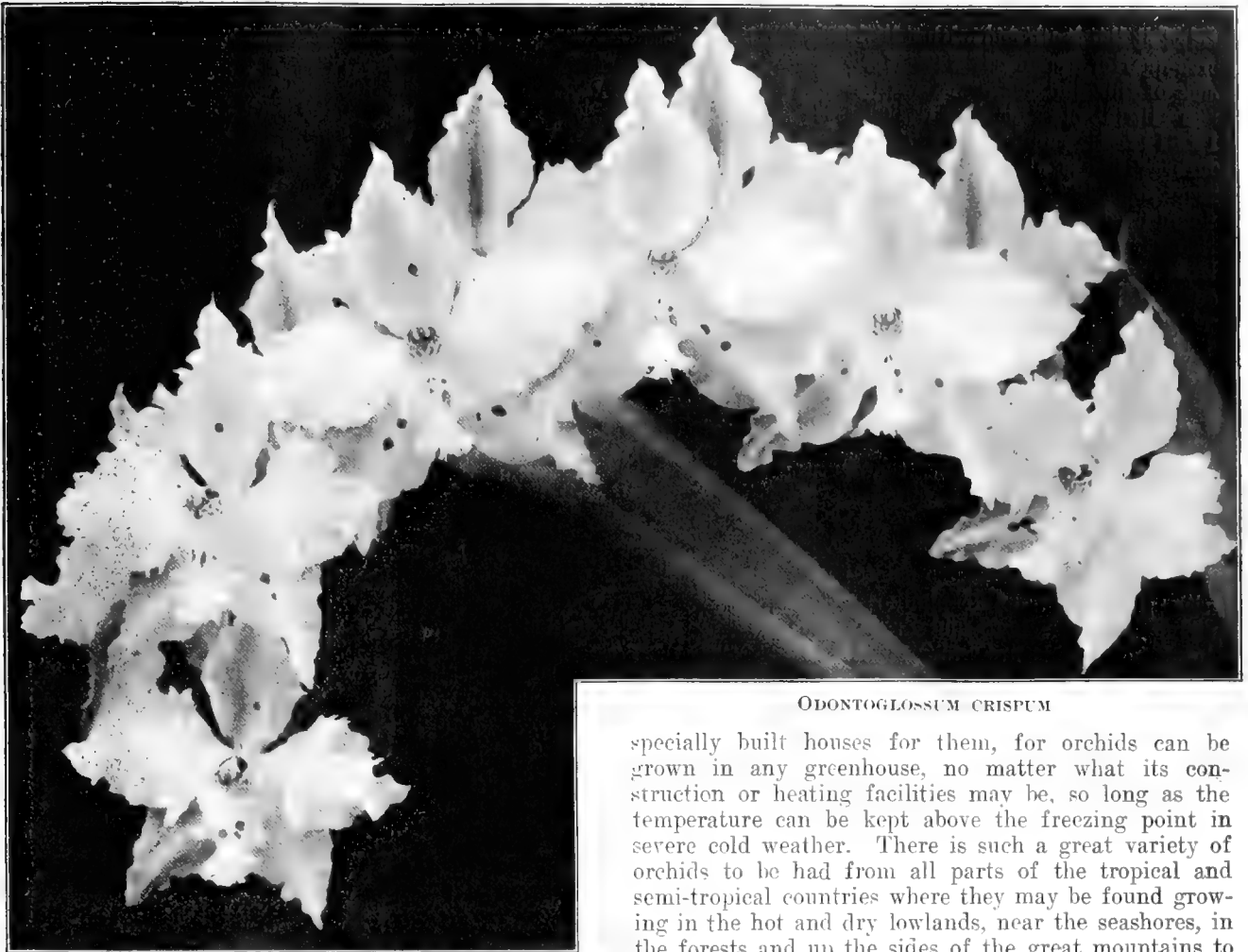
*Thousands arriving weekly. Largest importers in U. S. A.
 Call and see us.*

CARRILLO & BALDWIN

Mamaroneck, N. Y.

Growing Orchids

A FEW HINTS TO THOSE WHO CONTEMPLATE STARTING A COLLECTION OF ORCHIDS.



ODONTOGLOSSUM CRISPUM

Much has been written about orchids in recent years in various magazines and newspapers and this, together with the various horticultural exhibitions in which orchids have figured has aroused the curiosity of the general public to no small degree. The word "Orchid" alone seems to have something fascinating about it, due perhaps to the many weird tales which have been told about or in connection with them. The public is evidently very much interested in orchids and anxious to see and learn more about them. The coming exhibition of the Massachusetts Horticultural Society will accomplish a good deal in that direction, and is certainly a very commendable undertaking; but it will not and can not be of any great benefit except to those who are fortunate enough to be able to attend the exhibition. The great mass of people can not be reached in this way. What we need is more collections of orchids on the many private estates throughout the country. Orchids ought to be well represented in any establishment where several greenhouses are at the disposal of the gardener and should there be but one house, a place can be found in it for at least a dozen or more representatives of this interesting and beautiful section of the floral kingdom.

"Where there is a will there is a way" and any gardener who can successfully grow the regular run of greenhouse plants can, if he will try, learn to grow orchids too. It will not be absolutely necessary to have

specially built houses for them, for orchids can be grown in any greenhouse, no matter what its construction or heating facilities may be, so long as the temperature can be kept above the freezing point in severe cold weather. There is such a great variety of orchids to be had from all parts of the tropical and semi-tropical countries where they may be found growing in the hot and dry lowlands, near the seashores, in the forests and up the sides of the great mountains to within a few feet of the snowline, (a collector in Costa Rica and adjoining countries used to tell of gathering *Odontoglossum Schlieperianum* growing on the sunny side of big rocks and a few feet away in the shade, the ground would be frozen hard,) that it is obvious that some variety or other can be successfully grown in any greenhouse where the temperature does not go below 40 degrees during winter. I have often had the temperature in my cool house go down as low as 34 degrees during a spell of severe cold weather without any harm being done to the various orchids growing therein, but I would not advise to let the temperature go below 45 degrees in any house if it can be helped. A great variety of orchids can be grown under one roof and if several houses with different temperatures can be had, it will be all the better.

AN EXTENSIVE COLLECTION IN SMALL QUARTERS

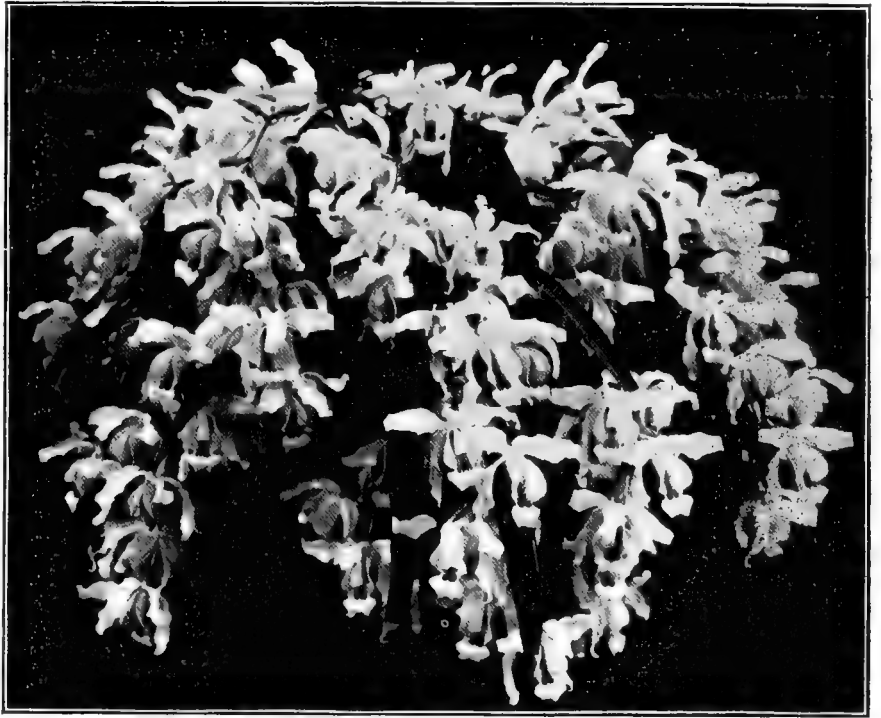
For the benefit of those who would like to make a beginning towards getting up a collection of orchids and who have had no previous experience in growing them I will try to show how I manage to grow quite an extensive collection (without the aid of special orchid houses and without sacrificing too much room needed by the regular selection of plants grown here) by finding suitable places for the different species and varieties, naming the most important as I go along. The houses here are small, consisting of two curved

roof structure (ground glass) running north and south, each 20 x 58 feet, one of them divided off in two sections; these two ranges are connected at the south end with a little three-quarter span 18 x 24 feet. Back of this and connected with it is a little old fashioned house 11 x 31 feet, running north and south. This is all the glass here except some 18 sashes, but these are seldom used for orchids. It is surprising what a great variety of plants are grown in these five small houses outside the collection of orchids which alone contains about 65 genera and 325 species and varieties and altogether about 1500 plants. I will say right here that all of them are not doing as well as I would like to see them do, but there is a good reason for it and that is simply—too much work for one man.

The little old house last mentioned is used mostly for calceolarias, primulas and like plants requiring but little heat and during winter no orchids are grown in it except that when I want to hold back *Coelogynes* or other orchids, it makes a good place for that purpose. During summer it is well adapted for the cooler growing *Cypripediums*, *Odontoglossums*, *Masdevallias* and many others requiring shade and a cool, moist atmosphere. I have made lath shades for this house out of firring strip and plaster laths, the laths being spaced $\frac{1}{2}$ inch apart. These give a nice shade and have a cooling effect; in cloudy weather they can be removed, being made in sections 4 x 7 feet. This house is kept as cool as possible during summer, the ventilators, both top and bottom, being left wide open day and night.

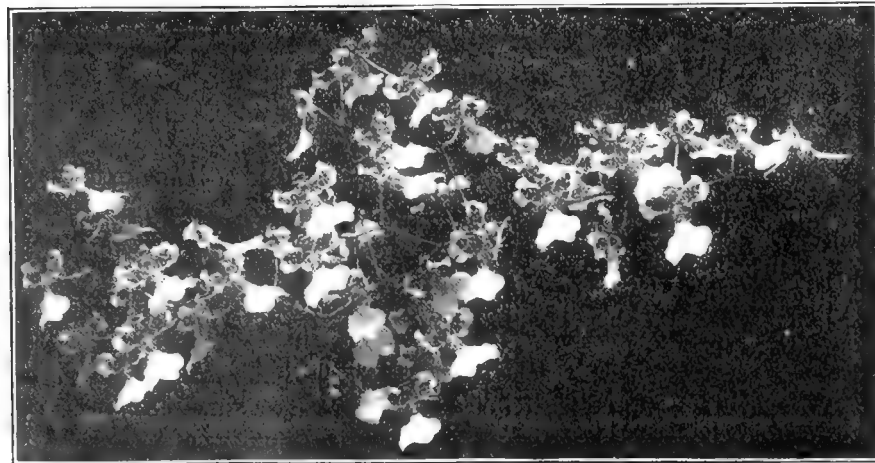
IN THE "ROSE" HOUSE

From this house we enter into the $\frac{3}{4}$ span or rose house as we call it here. The temperature in this house during winter is kept at about 56 at night with a rise of from 5 to 10 degrees during the day. This house has clear glass and a southern exposure and makes an ideal place for resting *Dendrobiums* in winter



COELOGYNE CRISTATA, CHATSWORTH VARIETY

which are suspended from the roof, wires being stretched along the roof for that purpose. *Vanda teres*, *V. Kimballiana*; *Renanthera coccinea* and a few other things also find a home here and do well. The center table of this house is occupied by callas or carnations; the front bench by various flowering plants according to the season. In a pit against the back wall are growing some climbing tea roses. After planting out time the house is shaded some and then turned into a stove to accommodate the fancy-leaved caladiums of which quite a number are grown here for the summer. The extra heat required by these will also suit the *Dendrobiums* which will be growing well by that time and all that can be accommodated are grown here for the summer months. Here they get plenty of heat, light and fresh air and can be freely syringed without hurting the plants below. As nearly all *Dendrobiums* are grown in small pots, they dry out quickly and should therefore be syringed quite often and occasionally dipped in a tub of water containing a small quantity of some liquid fertilizer.



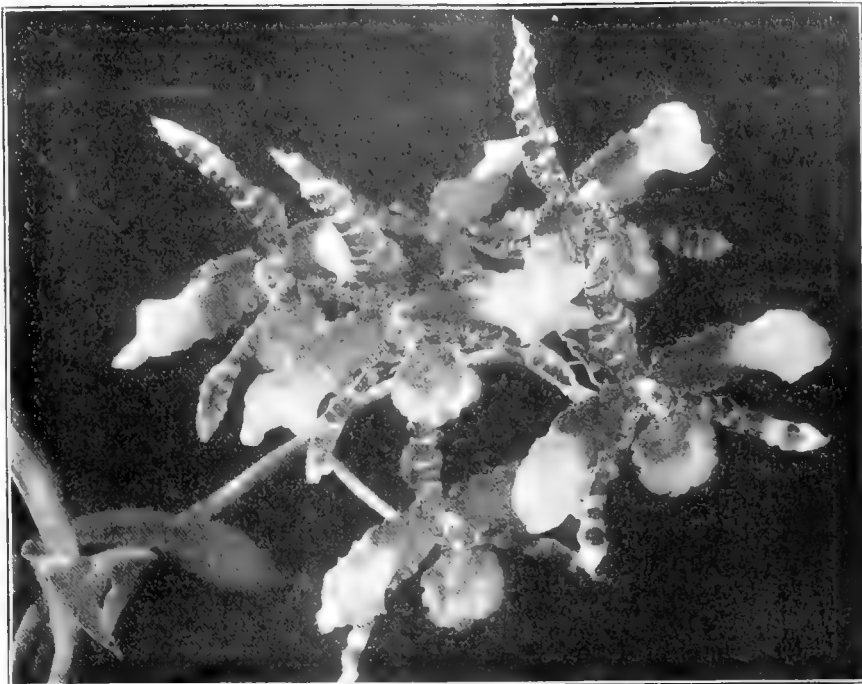
ONCIDIUM MARSHALLIANUM

Most any variety of *Dendrobium* can be wintered in a house like this with the temperature given above, but during the summer, their growing season, some of them require different treatment. For instance, *D. Phalaenopsis*, *D. superbum* and several others will do better if given a little more heat and shade than the *D. nobile* section; the *thysiflorum* sections requires plenty of heat and light; *D. moniliforme*, *D. atro-violacea* and several other dwarf growing varieties will grow best in the cool house all the year round, giving them a light and airy position; *D. formosum* and its allies grow best with the *Cattleyas*; so one must look around and try to find a suitable place for each one.

If a plant grows well on any one place, leave it there.

THE "COOL" HOUSE

From this little rose house we enter into what I call the azalea—or cool house; it is 25 x 20 feet. The temperature in this house during the winter is kept at from 45 to 50 degrees at night and from 50 to 55 degrees during the day; in summer it is kept as cool as outside conditions will permit. There is a pit in the center of the house occupied by large specimen azaleas and other plants; smaller azaleas are grown on one of the side benches, and a lot of other cool growing stuff on a bench in the southwest corner. Suspended overhead in this corner where they get plenty of sun are some plants of *Oncidium concolor*, *O. cheiroporum*, *O. crispum*, *Odontoglossum grande*, *O. Insleayi*, *O. Schlieperianum*, *O. cordatum* and *O. Rossii majus*, also *Sophronitis grandiflora*. *Cattleya citrina* and the curious little *Restrepia antennifera*. *Dendrobium nobile* finds a place here to rest during the winter and spring, being suspended at the southern end where they can get the full benefit of the sun and plenty of fresh air. A few dozen *Oncidiums*, mostly *O. verrucosum*, are suspended from the roof well up near the ventilators and judging from the way they have been growing and flowering for the last 5 or 6 years, they evidently enjoy just such a place; the same holds good with nearly all of the different *Oncidiums* coming from the Organ Mountains of Brazil, all of which are by no means easy to keep in good health for any length of time. *Oncidium incurvum* and *Epidendrum fragrans*, also do well in this



ODONTOGLOSSUM GRANDE (BABY ORCHID)

house. One short bench, which is partly shaded all the year by the adjoining rose house makes an ideal place for the various *Masdevallias*, *Warscewiczella aromatica*, *Odontoglossum Bictoniensis* and a few other botanical varieties which like to grow in a cool shady place. Further on on this bench where there is more light, *Odontoglossum crispum* and *Miltonia vexillaria* are doing well, the last named being removed to warmer quarters during the cold winter months. This house and the adjoining one are provided with bottom ventilators which are a good thing to have wherever orchids are grown as they assure an abundance of fresh air which is the life and soul of orchids. During the hot summer months roller blinds, made of a strong cloth called open duck, are used on the houses and are let down during the hottest part of the day. They help to keep the temperature down and prevent the foliage from getting too yellow.

THE CATTLEYA HOUSE

Next we come to the so called *Cattleya* house where most of the different *Cattleyas* are grown. These occupy the biggest part of the side benches, the end part of the benches being used for those taller growing orchids which succeed in these surroundings. The temperature of this house is kept from 58 degrees to 60 degrees at night during winter and spring; through the summer from 60 degrees to 65 degrees. The house, like the rest of them, is damped down thoroughly once a day (except during a prolonged spell of cloudy weather), those plants which require water being watered at the same time and if the weather is bright all the plants get a good syringing which helps to keep down insects. All the watering is usually done in the forenoon, but in summer the plants are sprayed overhead again towards night if the day has been hot and dry. Besides the *Cattleyas* a number of other orchids are grown in this house, mostly suspended from the roof. One side of the house is shaded in summer from two trees which stand very near the house, sorry to say; so no blinds are used on this side. On this side of the house *Cattleya labiata* grows best as that variety seems to like a little more shade than the rest of the *Cattleyas*. One shady corner of this bench is used for *Selenipedi-*



MASDEVALLIA IGNEA

ums and suspended from the roof *Oncidium ornithorynchum*, *O. luridum*, *Bifraneria Harrisonia*, *Dendrobium formosum giganteum*, *D. Pierardi*, *D. Findleyanum* and some botanical orchids thrive here. On the other side bench *Cattleya Trianae*, *C. Mendelii*, *C. Schroederiae*, *C. Mossiae* and several others do well, as they get more sun there. At the end of this bench a place is found for the taller growing *Dendrobiums*, such as *D. muschatum*, *D. calceolaria*, *D. fimbriatum* and others, also *Phaius grandifolia* and *Zygopetalum Mackayi*. At the other end of this house a place is reserved for the different varieties of *Schomburgkias* (the beautiful *S. tibicinis* being in bloom at this writing.) *Laelia anceps* and *L. autumnalis*, *Brassavola Digbyana*, *B. glauca*, *B. cordata*, *Trichopilia suavis*, *T. tortilis*, *D. thyrsiflorum* and *densiflorum*, *D. Farmeri* and *D. Falconeri*, also *Oncidium splendidum* and *Odontoglossum citrosmum*. All these are suspended from the roof and all receive practically the same treatment. On a bench in a corner at this end of the house are found *Cymbidium Lowianum* and *C. Tracyanum*, *Brassia verucosa*, *Epidendrum radicans* and several other species of less importance. All these plants receive no shade save what little the ground glass affords. Several varieties of *Stanhopeas* are suspended at the shady side of this house. The center table is used for growing an assortment of shrubby begonias, ferns and various other plants which can stand a good deal of sun and do not mind to be watered overhead.

HEAT AND SHADE LOVING SPECIES

In the other range, the temperature of which is kept during winter from 60 degrees to 65 degrees at night and from 65 to 75 during the day, all heat and shade-loving orchids are housed, but the south end is but little shaded, for the benefit of the *Cattleya gigas*, *C. speciosissima* and other heat and light-loving orchids. *Laelia purpurata*, *Schomburgkia undulata*, *Chisia aurea*, *Dendrobium superbum*, *Oncidium Papilio* and various *Cattleya* and *Laelia cattleya* seedlings are also grown at this, the south end of the house. The center tables in this house are used for growing a general line of decorative plants which will succeed in a warm and shady position; for instance, anthuriums, crotons, marantas, ferns, *Eucharis amazonica* and many others. One end and part of one side of the center table is occupied by huge specimens of *Oncidium sphacelatum* and *Cypripedium insigne* which grow like weeds here. Over the center table and over part of the side benches are suspended from the roof about 450 *Phalaenopsis amabilis* and *Schilleriana* and a few other varieties and they are certainly doing well here. The plants growing underneath keep the atmosphere just moist enough to suit the *Phalaenopsis* and these in turn provide plenty of shade for the plants on the bench; the *Phalaenopsis* are also benefited by the extra heat and light which they receive from being so near the roof. When in bloom, as many as room can be found for are put on the benches and they make a beautiful display. They certainly are worth all the trouble it takes to grow them, which after all is not more than it is with any other orchid; the main thing is to prevent the atmosphere from getting stagnant. It has often been advised to close the houses early in the afternoon in summer, damping down the floors at the same time, in order to store up some heat and get up a nice balmy atmosphere for the night; the ventilators to be opened up again before leaving the place for the night. I have tried this treatment on numerous occasions and each time with fatal results. I have found out by experience that it is just such atmospheric conditions which cause *Phalaenopsis* and sometimes other orchids to rot off over

night. It is not on account of water lodging in the heart as is generally supposed, for if that was the cause of it I would have killed every *Phalaenopsis* on the place long ago. Moreover the rot very often starts on some part of the leaf, sometimes at the very end where it would be impossible for water to lodge for any length of time. I water my plants overhead with the hose every time; splashing the water all over them and syringe them almost daily in order to keep them free from insect pests; I frequently do this the last thing before closing up for the night, but I never lost a *Phalaenopsis* from having water standing in the crown. Keep the ventilators open just enough to allow of a free circulation of air and there will be no trouble from plants rotting off. It sometimes happens that the young growths of *Dendrobiums* and other orchids rot off; this is, in my opinion, usually caused by overwatering as one generally finds the roots decayed in such case.

One side bench in this house is used in part for growing *Calanthes*, the atmospheric conditions suiting them to perfection; they are allowed more light than the *Phalaenopsis* by not letting down the blinds over them. These should not be allowed to dry out after they have started to grow until the flower spikes are well developed; they are potted in a compost consisting of three parts well decayed cow manure and one part fibrous loam with the fine soil well shaken out. The pots are filled with crocks to within about 2 inches of the rim and the bulbs set deep enough to prevent their being knocked over when watering. The other part of this bench is used for the various species and varieties of *Vandas*, *Aerides*, *Angraccums*, *Cypripediums* and a large variety of interesting botanical orchids, too numerous to mention here for I am afraid my notes have already been stretched too far. There is so much of interest in a collection of orchids that one can't help but love them and try to encourage others to do likewise. I hope to live to see the day when every gardener is an orchid grower as well, for orchids are destined to be the most popular flowers of the floral kingdom.

Naugatuck, Conn.

M. J. Ope



200 FT. HOUSE OF CATTLEYS AT JOS. HEACOCK'S, WYNCOTE, PA.

Orchid Hybridization

There are few phases of horticulture that have progressed so rapidly and produced such wonderful results as the work of the cultivator and careful hybridizer of orchids. The man who went into the wilds and brought out hidden treasures used to be the hero of the day: scarcely an issue of the horticultural press but told of the flowering of some new species or rare variety, and the yearly totals of plants new to science required columns for their enumeration. This is not so now. Collectors rarely find a new plant, their efforts being wholly devoted to sending home in quantity those kinds most in demand, and they tell frequently of the greater difficulties experienced each time in securing and transporting their plunder.

Here is where the home-raised plants fit in, for if we knew there could be no more orchids secured from their native haunts, cultivators would start on another tack, and raise seedlings from the very best varieties in their possession, with the reasonable assurance of some being equally as good as the parent, some better, the greater portion without doubt being of less value for the tendency of all nature is to retrogress.

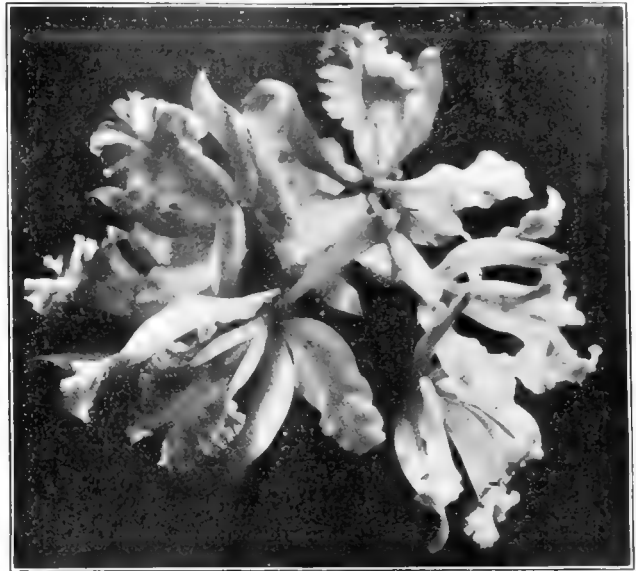
When speaking of hybridization, very much of the time cross-fertilization is meant. A plant the result of two varieties of *Cattleya* is a cross, and when we try to define the species in this genus it is no easy task, for the authorities are not of one opinion and may never be, so the term hybrid has become a generic one, often made to do duty for seedlings in general, and until the question "What is a species?" is better answered than it has been, the gardener may be excused his idiom.

HELPING SCIENCE

When seedlings were first flowered in cultivation, the old-time botanists did not enjoy them; possibly they foresaw the endless tangle in nomenclature that was to ensue! It is even asserted that some of the offsprings were called impolite names by those who were to be their sponsors, but in the meantime they went merrily on creating species, and not perhaps until the time of the younger Reichenbach did the suspicion creep in that some of these "species" were natural hybrids. The present day cultivator is proving again and again each year that the old names have to be changed by the addition of an \times as a prefix to denote the proper origin, even though it happened on the Andes. This is especially true of the *Odontoglossums*, as they are often found growing together, while the *Cattleya* districts rarely overlap. The conundrums of a generation ago are plain today to a novice, when he is shown.

THE CULTIVATOR

And this is where the cultivator comes in and is told that orchids must perforce be assisted in some way before seeds can be produced, and Darwin did it so well that the small boy, in the greenhouse was eager to try his 'prentice hand, and he is doing it today. How wonderful the mechanism of a *Cattleya* flower, with radiating lines on the lip all converging at the point of contact! Doubtless these lines are visible to the bee in the forest. In some instances they are raised up to form a rough road for travel, so that in fighting his passage fertilization is assured. An instance of this is seen in *Laelia Dayana* and in the *Coelogynes*. In the beginning all sorts of attempts are made, including the impos-



CATTELEYA \times THAYERIANA (C. INTERMEDIA \times C. SCHROEDERAE ALBA.)

sible, these last being useful to teach how far one may go and succeed. It used to be considered impossible to cross two genera; this may even be true, but if it is the botanists will have to rearrange the whole family, for many beautiful bi-generic hybrids are in existence and—what is more important—they are not sterile, and are being used as parents themselves, as in some of the *Sophranitis* crosses, with success.

LIMITATIONS

As already noted, there is a limit to the possibilities, but it is not the intention of the writer now to name them, not even those proven, because more radical matings are being made by others; but there is another phase of the subject that calls for comment, namely, indiscriminate use of the material available. Seedlings today are cheaper than imported wild plants; thousands are thrown away even by one individual raiser, or were until he raised plants from the very best types possible, and only this is worth while today. The complaint has often reached the writer that home-raised plants do not equal introduced ones, and it is true that there are gems among the latter we shall never see excelled, such as a *Cypripedium Sanderae*, a *Cattleya Reineckiana*, or a snow white *C. gigas*—perhaps the rarest, certainly the newest, acquisition. We know, however, that these can now be perpetuated and even improved upon by other and more rapid means than the old lifetime method of division, and if the two last named *Cattleyas* were mated (they are now in bloom together) one could with certainty count on many being good, and, what is of more interest perhaps, the home-raised plants would be in bloom at various seasons.

VARIABILITY

The introduced types are fixed in their character of blooming at stated periods. Individuals may, and have been noted to vary less than a week from year to year in time of opening. In direct contrast to this is the fact that if we take *Laelia purpurata* and cross with *C. Gaskelliana*—two summer blooming kinds—the resulting plants will be in bloom every week in the year, and this is only one illustration. Herein it would seem lies the greatest triumph of the operator, inasmuch as the cross or hybrid is also a magnificent Orchid: no two

plants are alike, variations even greater than shown in either of the two parents is present in the progeny.

In the lot of over seventy *Cattleya* × *Thayeriana* no two are alike, and the variation is such that is hard even for the raiser to believe they are of one common origin, and the parents—*C. Schroderae* and *C. intermedia*—are among the least variable, but they *do* vary.

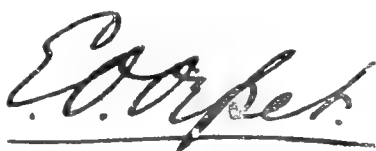
VIGOR

Orchids die slowly; they are long suffering, but the end is sure. This was the accepted fact twenty years ago in considering cattleyas. Now with rational methods of culture of introduced plants and the addition of seedlings, one may be sure of keeping his plants. Not all the latter live to flower; millions die annually before being visible, or barely so. There is vigor enough to enable the seed to germinate, but their environment is unsuitable and some die before we see them, others in later stages, but those that survive are eminently fitted and should never die. This is true of primary crosses. It is probable that those of more complex origin may not have this amount of vitality. We read recently of two trees proved to be of hybrid origin; one, the Italian Poplar, the most vigorous known, and the English "Cricket Bat" willow, well known for its value as a timber tree. Both were a puzzle for years.

It is hoped that vigor may be a first requisite in future experiments, though a plant if it be weak will produce a portion of good seeds, and the weakness, if temporary and not constitutional, will not be handed down.

The great exhibitions of today are filled with the work of the cross-breeder, and it is not too much to say that already they are producing as fine orchids as any existing in cultivation. Nature did not finish her productions, she only began; gave us the raw material as it were, and man was endowed with the intellect to carry it on, and he has but begun to realize the possibilities.

The only ones to be pitied are those who try to arrange the names in a reasonable way. It was a gigantic task the compilers of the "Stud Book" undertook! What will it be in the future when are produced plants having possibly four genera in their pedigree? Who shall coin a euphonious name?



VISITORS TO BOSTON NEXT WEEK

are cordially invited to call at the
OFFICE OF HORTICULTURE
and register.

Facilities for writing, telephoning, etc., will be freely extended, and those who so desire may have their mail addressed in our care. The office, 11 Hamilton Place, is centrally situated in the business section, almost directly opposite the Park street subway entrance, from which cars are conveniently taken for Horticultural Hall, where the Orchid Show will be held.

THE EXHIBITION

will open at

8 P. M. THURSDAY, MAY 26,

and will continue till the night of May 30. The opening evening will be in the nature of an evening dress reception.

Causes of Disappointment in Orchid Growing

Carnations, orchids and roses are doubtless the aristocracy of the floral world, and without doubt, too, one is as easily grown as the other—"Yes, yes," I hear someone say. "I have a fair amount of success with my roses and carnations, but am afraid to venture with orchids, having seen such dire results; and then, the expense!" Now, my dear sir, or madam, with less than ordinary expense and a little thought you may cast your fears to the wind.

I will first indicate the cause of failure. The would-be orchid grower puts his plant in a conspicuous place till it goes out of flower, when it is placed in the background, given a good watering and left to take its chances—the good watering at that particular time being, perhaps, the first nail in its coffin—as what is then wanted is a rest; but although treated ever so badly it won't die, but tries to make a fresh growth, but doing it so weakly that it fails to flower the next season. It then goes from bad to worse and gets called bad names.

Again a dozen or more plants are bought and as you are "going in for orchids" you run up the heat to 10 or 12 degrees above the needful, and not only weaken the plants but increase the number of insects which revel in a hot dry heat, and so disaster is assured to the plants, vexation and loss to the owner. I went into a cypripedium house once where the plants were red with the ravages of thrips, the place being like a lime kiln, and the temperature 80 to 90 degrees. The gardener (?) explained to me that the plants were suffering from condensed moisture—*condensed nonsense, I called it*. On another occasion the gardener was damping down at 5.55 p. m. on a cold, wet March afternoon. "What are you damping down for now?" said I. "Oh," he replied, "I have not had time before," and it would have been far better for the plants if he had not had time then. Now, it is such men who do their stoking, watering and damping down without any thought of what the plants require, that are a curse to the fraternity.

Want of fresh air is, too, a frequent cause of failure. People forget that orchids in their native habitats grow out of doors, and, although in the tropics, often at such an altitude that though hot in the day time, the nights are very cool.

"Well, then," I am asked, "what is the best way to begin?" Suppose you have a house or houses of varying temperatures partly filled with other stock, but wishing to add orchids. By a judicious selection you should be able to introduce plants that would do well either in a cool house, a fernery or a stove. The mistake so often made is to place in one house each and every orchid that takes your fancy. As well might you try to keep canaries and gold fish in one cage. If the house you have is only suitable for cool orchids, just buy cool orchids, than which none are more beautiful, and will only need a minimum temperature on winter nights of 45 degrees. Last week I saw in the nurseries

of Stuart & Low Co. over 1400 spikes of *Odontoglossum*. No description can adequately describe their beauty. Truly they have been called the "Gems of New Granada." The great difficulty you have in America is the extreme summer heat which *Odontoglossums* object to, and many attempts have been made—but so far with only partial success—because if a cool spot has been found or made, there has not been enough circulation of fresh air, which is an absolute necessity. But surely the wit of man that brings meat frozen and unharmed through the tropics and can make a cold house warm by water, can make a hot house cold with ice. Iced water is no novelty in America.

Therefore the intermediate house with minimum temperature of 50 to 55 degrees, where the gorgeous *Laelias* and *Cattleyas* grow so well, and where with your bright sun far better results are obtained than under the dull grey skies of England. What a feast of color and form is to be had!

The stove house again with night temperature of 60 to 65 degrees will give you the showy, early flowering *Dendrobies*, *Phalaenopses*, *Vandas*, *Aerides*, etc.

The large family of *Cypripediums* grow well in both the intermediate and stove department and has many lovers, the lasting qualities of the flowers being greatly in their favor. After finding the right place repotting and watering are the principal things to learn. As a rule the time to repot a plant is after it has done flowering and when it has had a rest—and then it must not be watered too much. A plant suffers far more from too much than too little water. There are many articles written with practical hints on both potting and watering.

Many plants are injured by leaving flowers too long on them. The plants get exhausted and do not then break soon or strong enough to give good results the following year.

It must not be forgotten that orchids, like all other plants, have their enemies, but as a rule these attack more fiercely plants in ill health or weakly. To keep them from becoming dirty is far better than always cleaning. Do not think there will be no trouble. But nothing worth having is got without trouble. Anyone who loves and watches them will soon understand their wants and they will prove a boundless source of interest and pleasure and will repay the cost and trouble.

To get a fair start just go or write to some of the leading orchid nurserymen—describe or let them see your houses, and let them make for you a selection to the value you wish to spend, and you may rely on their sending plants to suit the place. Of course, if you are going to build a new house, you will get better results and would naturally build your house on the most up-to-date pattern. The love of orchids is



CATTELYA INTERMEDIA ALBA

Photo at Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, Eng.

greatly on the increase and a plant one grows has always more interest than one purchased in bloom.

Har Barnard

Bush Hill Park.

Trans-Atlantic Notes

STREPTOCARPUS

This genus of Gesnerads, the cultivation of which has greatly extended in British gardens since *S. Saundersii* was brought out in the early 70's, can now boast of a large number of varieties with handsome coloring. *S. Saundersii* is a many flowered hybrid that was brought out in 1875, bore three leaves and twenty flower spikes, some of which carried five blueish lilac colored flowers. The plants are native of the Cape of Good Hope; *S. Rexi*, known in gardens under the name of *S. biflorus*, by reason of the scape bearing two flowers; *S. polyanthus* and *S. Gardenii*.

All of the above are free flowering, and like gloxinias, are propagated by leaf cuttings. In the case of *S. Rexi*, one cotyledon forms the entire leafage of the adult plant. J. Veitch & Sons have succeeded in raising numerous crosses and are the holders of an extensive and varied collection of these showy plants, which in some respects rival the gloxinias. They do best in the warm greenhouse, and on a shelf near the roof glass, or in low pits.

Fredrick Moore

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The
orchid show

Only a few days more and the interesting floral event for which active preparations have been in progress for more than two years will be a reality. The simple announcement that an orchid exhibition of unusual extent was contemplated by the Massachusetts Horticultural Society was sufficient to cause a flurry of expectant excitement throughout the horticultural world and from the outset the interest has never lagged. Those who are privileged to see the unprecedented display of rare flora which is thus to be assembled together in Boston's Horticultural Hall have a big treat in prospect and the influence of the event upon the gardening fraternity of America will be profound and far-reaching. It goes without saying that it will give a strong impetus to the cultivation under glass of these exotic beauties and the direction of their more general use for floral decorative purposes.

Cutting out
the frills

Much has been said and written concerning orchids and their culture which has seemed to come more or less dangerously close to the domain of humbug. This has not been confined to such literature as has been intended for public consumption alone but has at times characterized that served up by the assumed expert for the enlightenment of his fellow gardeners. We take pride, therefore, in presenting for the entertainment and instruction of our readers on this occasion some plain, common-sense observation on topics connected with orchid culture by men of practical knowledge, whose accomplishments in their chosen lines are their own best credentials, and who have herein given the results of their experience with a candor which is both pleasing and convincing. The bugaboos which have deterred so many from any attempt at orchid growing should now have no terrors for any grower possessing normal intelligence who will shape his course in accordance with the simple principles laid down in these pages.

Things
worthy of the
florists' attention

One respect in which the orchid show will prove an eye-opener to the commercial florist will be the variety and abundance of sorts hitherto unfamiliar to the florist trade, more especially in the way of white orchids, of which there will be a very full representation of species and varieties which are only now becoming available for the cut flower trade because of their quality and moderate price. For bridal work, where hitherto *Dendrobium formosum giganteum* has been the main standby, the beautiful *Virginale* is within reasonable reach and what can be more serviceable and rich than some of the white *Trichopilias*, of which a nice showing is promised on this occasion. There will be in all probably a more general display of *odontoglossums*—in *crispums* and *Pescatorei* types—than ever before staged in this country and no florist—whether as grower or user of choice material—can afford to let slip this opportunity to carefully examine and ascertain as to the keeping qualities and the prospective abundance

and price of all these things, heretofore scarce, but which are destined in the near future to find a place in the cut flower market as standard stock.

Old-fashioned bouquets

One of the most interesting and attractive windows we have seen in a long time was the exhibition of "old fashioned bouquets" in the establish-

ment of Thos. F. Galvin, Boston, this week. There have been attempts made by florists here and elsewhere at various times to show the people of the present period examples of the floral work of the past generation, but always with an apparent disposition to ridicule the efforts of their predecessors and make comparisons with the style of today, to the discredit of the former, but they principally demonstrated that they knew little about their subject and were entirely lacking in the ability to make an "old fashioned" bouquet. Galvin's display was not of that nature. It was, indeed, a faithful reproduction of the prim but always pleasing and appropriate bunches of rose buds, lily of the valley, forget-me-nots and delicate greens, as made for ladies to carry to formal dress affairs, assemblies, weddings, etc., thirty or forty years ago, and, judging from the comments made by the spectators who thronged the sidewalks in admiration, a revival of the fashion would not be looked upon with disapproval by the Boston ladies. Should it really come to pass that this sort of floral work becomes popular again we can see many a modern "floral artist" whose principal claim to distinction lies in the beautifully finished material which the grower has provided for his use, at his wit's end as to how to proceed, for the dexterous skill essential in the making up of such examples as were displayed on this occasion is not acquired in a day or a year—or, in some cases, in a lifetime.

THE OLD SOLDIER.

"Over the hills and far away"—

The words of that old song come back
To the old man, now bent and gray,
Who marched to face the battle's wrack.
When Lincoln called the land to arms,
To die for freedom in the fray,
To march from home and all its charms
Over the hills and far away.

The sword is sheathed, the flag is furled,
The sun shines o'er a peaceful land;
The regiments that once were hurled
At death, are now a thin gray band.
And thinner grow the ranks as years
Recede from that exultant day,
Of those who marched 'mid cheers and tears
Over the hills and far away.

"Over the hills and far away":—

The music still is in his soul;
Again he hears the bugles play,
Once more he hears the war drums roll:
He still recalls the glorious tale,
Though old and bent and worn and gray:
And soon he'll march the endless trail
Over the hills and far away.

"Over the hills and far away":—

To where they cease from war's alarms;
The soldiers to the house of clay
Will come at last to stack their arms.
While time endures the world with pride
Will tell of that exultant day,
When youth and valor marched and died
Over the hills and far away.

—Joseph Smith, in *Boston Traveler*.

Trachelospermum

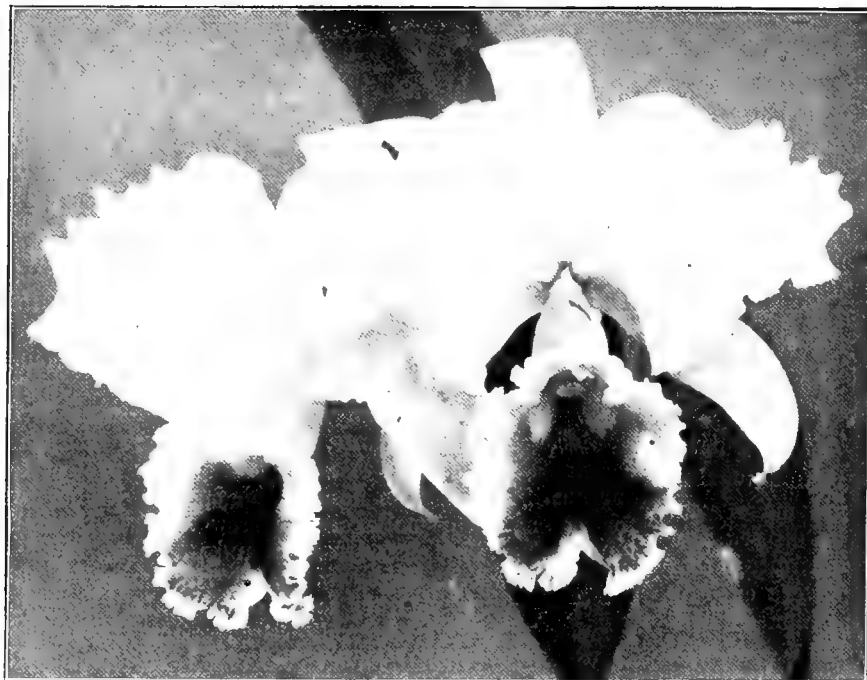
The small genus *Trachelospermum*, more commonly known as *Rhynchospermum*, according to Nicholson, inhabits the East Indies, the Malayan Archipelago and Eastern Asia, as far as Japan. They are stove and greenhouse shrubs and climbers, and the common and popular variety *T. jasminoides* should have a place in every collection of plants. I have no doubt that if this variety would make a fair-sized plant with a year's growth it would be a very popular florist plant, because of its beautiful white, very fragrant, cymes of flowers; but alas, like a good many more of the handsome hard-wooded, greenhouse plants, it takes too long to raise a decent sized specimen to make it a paying project for our hustling American florists. *T. jasminoides* has two forms, one with smaller and narrower leaves than the type, named *T. j. angustifolium*, and the other *T. j. variegatum* with the leaves variegated with white, but this variety is not so vigorous as the others. Gray mentions a variety named *T. difforme*, found in the low grounds of Virginia, which I have never seen. He describes it thus: "A barely woody twiner, the flowering branches herbaceous and downy; leaves thin, oval-lanceolate, pointed, or sometimes linear, narrowed into a petiole, flowers 1-4 of an inch long, in cymes, greenish-yellow, all summer."

The finest specimens of *Trachelospermum jasminoides* I have ever seen are at Prof. C. S. Sargent's place in Brookline, Mass., and when in flower they are well worth a long journey to see. Cuttings of these plants should be secured from the half ripened wood, and are easily rooted in an ordinary cutting bed, in a temperature around sixty-five degrees, keeping them shaded from sun while rooting. Small plants should be kept in vigorous growth, in a much higher temperature than old specimens that have attained a fair size, and if any flowers appear they should be immediately cut off. Never allow the young plants to get pot-bound, as the aim should be to get as quick a growth as possible. They will grow well in two parts loam to one of leaf mold, with a good sprinkling of sand and finely broken charcoal. If peat is on hand, as much of that as one uses of loam should be added, as nearly all plants of this nature are fond of peat. A small handful of Clay's fertilizer to every pailful of the compost is very beneficial. They should be firmly potted. As the shoots increase in length they should be tied around stakes until the plant arrives at the size desired, when they should be trained over a balloon or pyramid trellis, or perhaps they may be wanted to cover a wall or train around a pillar. Large specimens can be wintered in a cool pit from which the frost is kept.

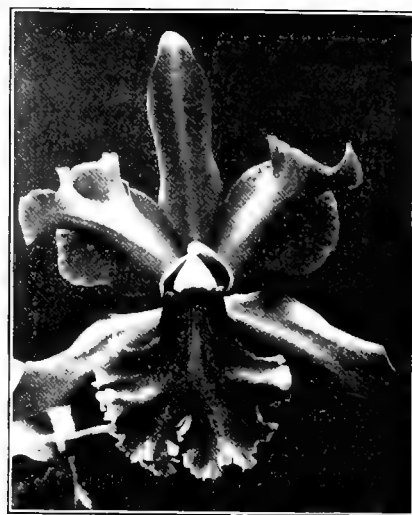
When grown cool these plants are not subject to insect pests, but I have known both mealy bug and scale on small plants that were being kept in a fairly high temperature to get a quick growth on them. They may be kept in check by using a two-inch flower potful of kerosene to three gallons of water kept well agitated while applying. Use in the evening and syringe next morning with clean water. Kerosene is the best and cheapest insecticide for shiny, smooth-leaved plants that I know of, if used according to the above directions. Leaves with a furry soft surface, like a geranium, will not stand it.

George F. Stewart.

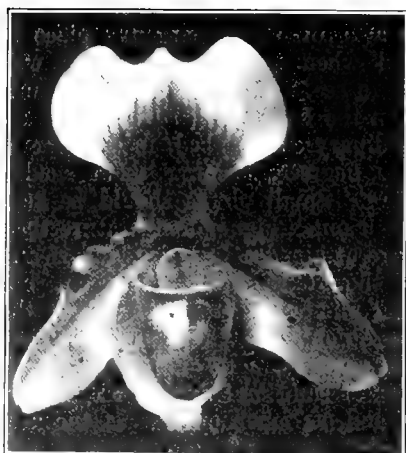
West Medford, Mass.



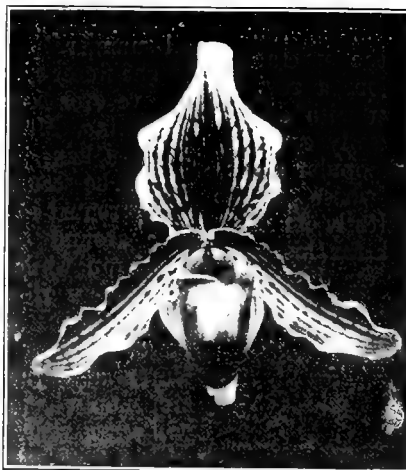
CATTELEYA SCHROEDERAE WM. DUCKHAM



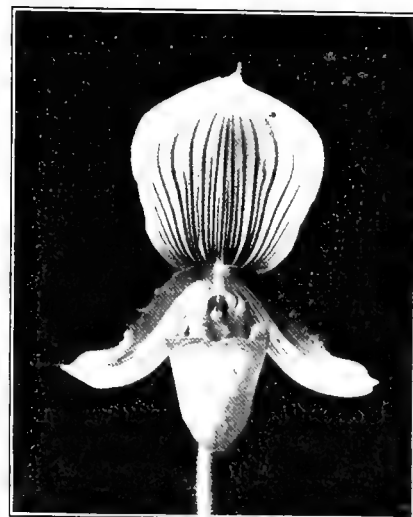
CATTELEYA IRIS



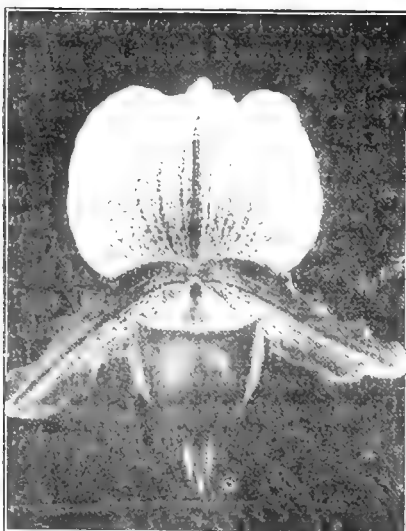
CYRTOPIIDIUM AUREUM HYFANUM



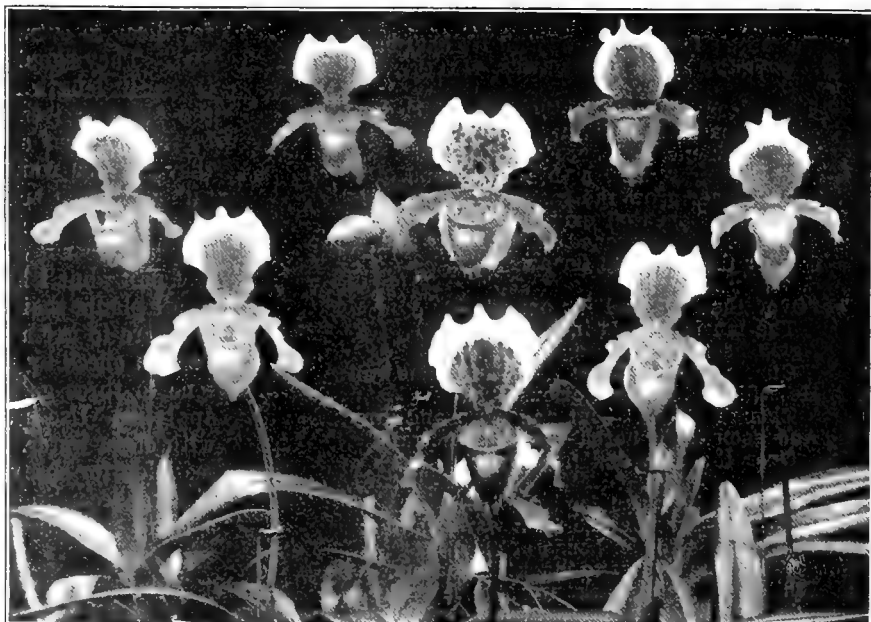
CYRTOPIIDIUM BARON SCHROEDER



CYRTOPIIDIUM MAUDIAE MAGNIFICA



CYRTOPIIDIUM PRIAM



GROUP OF CYRTOPIIDIUM INSIGNE

Sanderiae, Sanderianum, Barfield Hall, Lindenae, Chantini

SOME BEAUTIES PHOTOGRAPHED AT JULIUS ROEHRS' CO., RUTHERFORD, N. J.

SEASONABLE NOTES ON THE CULTURE OF FLORISTS' STOCK.

Acacias.

Only two or three of the acacias are of special value to the commercial florist, and of these *Armata* is the freest flowering, the most compact growing, and best adapted to pot culture. Any plants unsold should be cut back about half of last summer's growth, and those needing repotting should be potted at about this time. A good loam that is not too finely broken up with some well-rotted cow manure and about a fourth of leaf mold will grow them well. They will be better now for being plunged out of doors and fully exposed to the sun until the fall, as they grow and ripen their wood much better outside than under glass. They will require copious watering and must never be allowed to become dry.

Growing Carnations Indoors.

Carnation growing under glass instead of in the field, should have close attention right along. I think it is better to plant the latter part of May if possible. It will save shifting and the plants are more easily cared for when planted out on the benches than when they are kept in pots. If they are not planted before the first week in June and bench room is not yet available, they should be shifted into 4-inch pots, and the best place for them would be plunged outdoors where they can have sufficient water to keep them growing. They should be planted out before they become too pot-bound. The soil should be the same as that used for the field-grown ones. After planting, give a good watering around each plant to settle the soil, after which water should be given sparingly until the plants get well rooted, but be careful that the ball does not become dry. They should have a light spraying two or three times daily on warm days. Do not syringe so late as to leave them wet over night. At all times give all the air possible so as to make short-jointed and sturdy growth. Always select the best plants for indoor planting.

Begonia Gloire de Lorraine.

The early propagated stock which is regarded as most valuable for the far-off holidays, should now be sufficiently advanced to require 4-inch pots. In the shiftings from now on a larger portion of well-decayed cow manure should be added to the potting soil, making the mixture about four parts of fresh turf-like soil to two parts of manure, and about one part of clean sand. Good cultural encouragement just at this time before the hot weather starts in, will be a permanent gain on the stock in the early autumn. Careful watering, avoiding too much or too little, is most important at the present time. Avoid heavy shade. The house should now only have a light shading. A light but firmly nailed lathe frame, on which some cheese-cloth is stretched, will make the best, most convenient and lasting shade. The plants should be pinched back to



BRASSO-CATTELEYA FOURNIERAE

Photo at Julius Rochrs Co.

two or three joints, to insure a strong growth and shapely specimens. Discontinue pinching after August.

Memorial Day.

Much necessary work is often neglected during the rush of Memorial Day trade. Watering, especially, is done in a haphazard way. Now when the days are long and the sun's rays causing a fierce heat under glass, with most of the plants in full bloom and pot bound, watering is no easy job. Watering is the principal means of keeping your stock in good form, so don't neglect it. Many plants will have to be shipped to distant points. These should have their foliage dry and ball of earth soaked. At this time of the year all plants of a soft growth should be stood upright in their shipping boxes. Plants in bloom, of whatever description, are always in demand and are the chief money-bringers, so have them in as good shape as possible.

Odontoglossums.

This is one of the most interesting of all orchids. Care must be taken never to let the compost become dry. A copious supply of water is always essential at the roots, and the floors and benches must be dampened over often to keep the atmosphere moist. They enjoy a bright location but must be shaded from the direct sunlight either by a thin muslin or a light coat of shading, but where the mouse has a northern aspect shading is unnecessary. Fresh air should be given at all times when possible, in greater or lesser quantities according to the outside conditions, in order to keep the atmosphere from becoming stagnant.

They like fibrous peat, with a liberal top dressing of green sphagnum, and when decayed it should be replaced by some fresh compost. Sometimes this will have to be done twice a year. Very liberal drainage should be given in all cases. The winter temperature should be as near 50 degrees as possible.

Primulas.

If you have any old plants of *Primula Forbesi* or *obconica* that have done flowering, they can be torn apart and the divisions planted into small pots and grown on. They will do well during the summer in frames. Prepare a frame with some coal ashes for the pots to stand on and if given attention in the way of watering, fumigation, ventilation and shading they will grow into good bushy stock for next year's trade. They should be kept out of the greenhouse as long as the weather will allow in the fall, a cold frame that has close-fitting sashes being at that time a better place for them than to subject them to any forcing. Seeds of *obconica* and *sinensis* sown now will make nice plants for late winter and early spring trade.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on *Boronia*; Carrying Roses Over; Cypas; Gardenias; Repairing and Cleaning Houses; and Sowing Hardy Perennials.

A letter just received from Mr. E. W. Wilson, the explorer, now on his way to China, informs us of his arrival at Moscow, Russia, and start therefrom for Peking, where he was due to arrive on May 16. He expresses gratification at the prospect of soon being in the field of work in which he is so intensely interested.

THE BRUSSELS EXHIBITION.

The Flower Show.

The planning, laying out of this exhibit of plants and flowers must have been done by a master hand, as nothing ever seen in this line could be more artistically and scientifically arranged to please and attract the mind and soul of the true lover of grand and beautiful effect than that which the eye looked upon when entering the hall, or pavilion, wherein the show was made. The only section that could be criticised was the one containing the azaleas, there being in this arrangement, perhaps, too much color to be pleasing. The flags of different nations, especially Belgium, were displayed on every support, making a pleasing effect with the bright flowers and green beneath. On entering, after passing through an assortment of palms, there was to be seen on the right, a small but neatly laid out garden large enough for many a country home, with running water with bridge over a small miniature lake, a summer

ground to relieve the walls' bareness. Between the orchid pots, anywhere and everywhere, small ferns were used, making a pleasing picture with the brightness of the orchid flowers above them. The value of this display in dollars would sum up something enormous.

Table Decorations.

There were a number of decorated tables the majority of them not being furnished other than the flower decorations being upon them. The one taking first premium was by a Paris firm. This table was in fine orchids entwined with plumosus asparagus, the center pieces being elevated about two and a half feet on fine cut glass stands, very frail but very neat. Persons sitting on either side could see through to those seated in front of them.

Fruits.

The exhibit of fruits was not as large as we expected to find, but we were informed that there would be more later on when more space was completed. What was shown was very

RE-POTTING CATTLEYSAS AND LAELIAS.

As at this season the plants of many species have ceased to flower and will be about to emit fresh roots from the newly formed pseudo-bulbs, re-potting should receive attention forthwith. Of cattleyas I may mention a few, viz.: *C. amethystoglossa*, *C. labiata*, *C. Schilleriana*, *C. maxima*, *C. Percivalliana*, *C. Trianae* and *C. intermedia*; also the hybrids, *C. Maronii*, *C. Claudian*, *C. Fabia*, *C. Iris*, *C. F. W. Wigan*, and *C. Atalanta*; and the *Laelio-cattleyas* *Dominiana*, *Clive*, *epicasta*, *Pallas*, &c.; and *Brassocattleya Rolfeae*; and some of the *Sophro-cattleya Laelias*. Where the plants are strong and healthy, the roots should not be much disturbed, and if the roots are numerous it is advisable to break the pot and to place the root mass in the new pot without breaking it up; and to err rather on the side of a small-sized pot. If a plant is lacking in vigor,

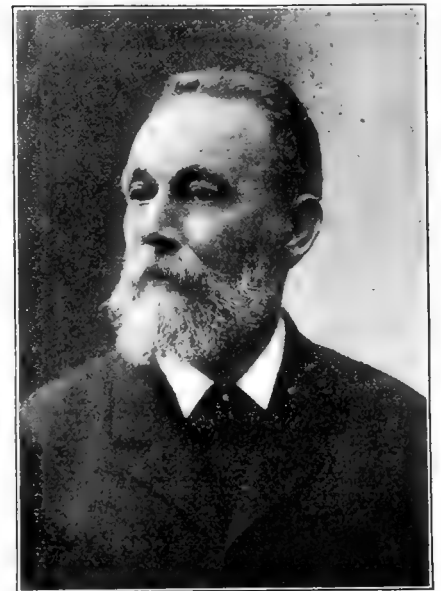
A TRIO OF ORCHID ENTHUSIASTS.



JAMES MCMANUS



M. J. POPE



JULIUS ROEHR'S

house, etc., etc., the whole planted with shrubbery in bloom (in pots, pots hidden) consisting of lilacs, snowballs, acacias, metrosideros, hydrangea, hibiscus, azalea, etc., etc., a few evergreens or palms interspersed to give effect; vases of vines and flowers, cineraria, calceolaria, lilies, geraniums, etc.; miniature beds of daisies and pansies, all making the garden beautiful in every sense of the word. No fairer picture could be painted, or desired. There were other beds laid off and planted, but none exactly like this, the others being more of one kind, but the color combination or effect was carried out so as to show everything to its best advantage.

The Orchid Exhibit.

On one entire side of the building was a raised promenade, on each side of which was tabling the whole length. One entire table was taken up with the orchid exhibit making one of the largest and finest exhibits ever staged of these increasingly popular plants, and thousands viewed them daily with admiration. The back of the table had a row of medium sized palms for a back-

nice, most of it coming from the colonies of Belgium. There was a large exhibit of citrus fruits from Africa. also pears, apples, pineapples, etc. The strawberries and raspberries were extra good plants, the strawberries in pots with bloom and good ripened fruit. A splendid exhibit of fruit in a glass case made an interesting show.

Outside Planting.

Near the building containing the floral display was a large piece of land well laid off so as to be easily viewed, each section planted by various growers in blocks of evergreens, shrubbery, roses—both dwarf and standard—fruit and ornamental trees, fruit trees trimmed as espaliers, pyramids, etc., also a lot of fantastically trimmed trees of holly, box, yew, etc., in every conceivable form and shape. Along one of the avenues leading up to the flower show was an avenue of bay trees of very large size, both pyramid and standard, with extraordinary tops, exhibited by Sander & Son.

On other sections large plantations of shrubbery, etc., were still going on.

RICHARD VINCENT, JR.

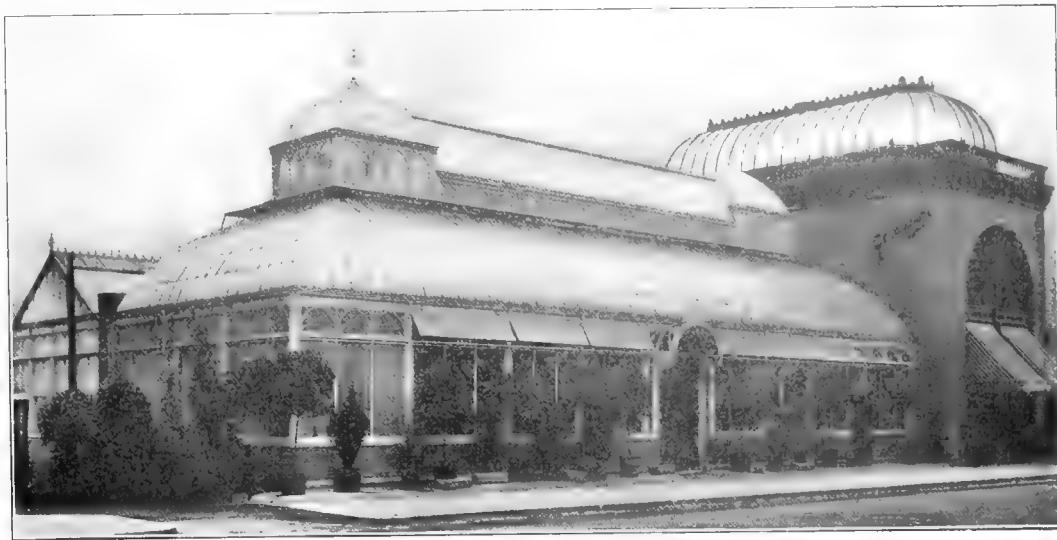
or has but few roots, cut away the dead and dying roots, cleansing the healthy ones, and re-pot into a smaller pot. Any choice cattleyas and laelias not in good health may be divided and the pieces re-potted singly, and hung up near the roof. The back pseudo bulbs may be retained to the number of three on each leading growth. The mixture used in potting should be made very porous; and the pots should be two-thirds filled with clean crocks, with a layer of sphagnum over all. Pot firmly, placing the rhizome level with the rim of the pot. When re-potted place the plants in a cattleya house, and afford shade during bright sunshine, and for several weeks apply but little moisture otherwise rotting of the old pseudo-bulbs will ensue. Let the syringe be applied several times daily round the sides of the pots, and if the compost appears to be very dry, afford water round the edges of the pots. As soon as root growth has commenced, afford more water by degrees, but very sparingly at the first.

F. M.

VISITORS

To the great Orchid Exhibition are cordially invited to call and inspect
the Beautiful Store and Conservatory of

Thomas F. Galvin



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Convenient to the Halls of the Massachusetts Horticultural Society,
where the Orchid Show will be held. Also our down town store

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where visiting florists and gardeners will see the finest examples of
floral and decorative work as done here for the most critical buyers in
the country at

The Leading Floral Establishment of New England

We use more Orchids than any other establishment in Boston and shall
be especially glad to meet and make the acquaintance of Orchid growers
dealers and enthusiasts, who may visit the City on this occasion.

Thomas F. Galvin

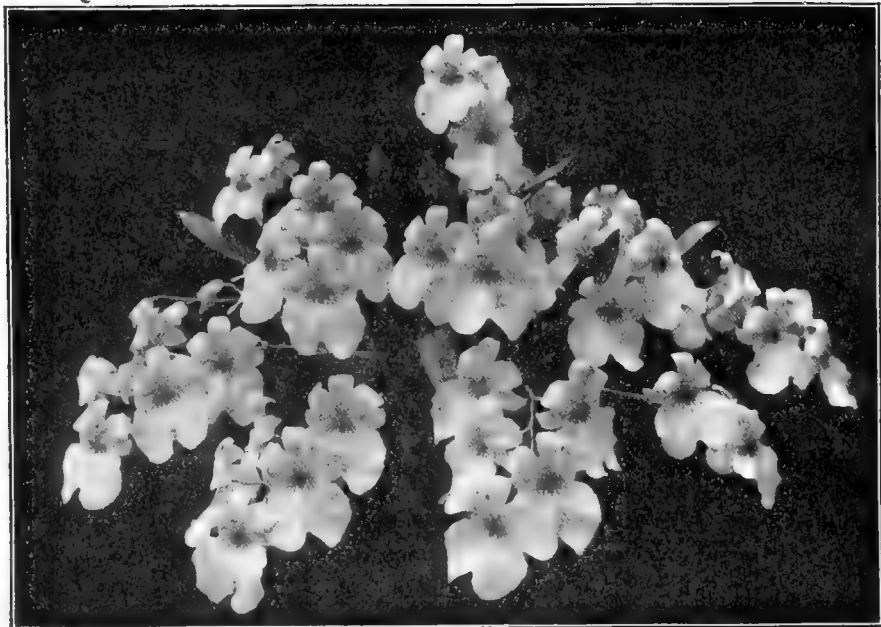
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All the leading popular varieties in moderate priced, established plants. Special prices on fresh imported stock.

We shall be represented at the Boston Show

by superb groups, unexcelled in beauty and variety and including rare varieties, hybrids and albinos never before shown in this country. If you are interested in Orchids meet us at the show, May 26 to 30 inclusive.

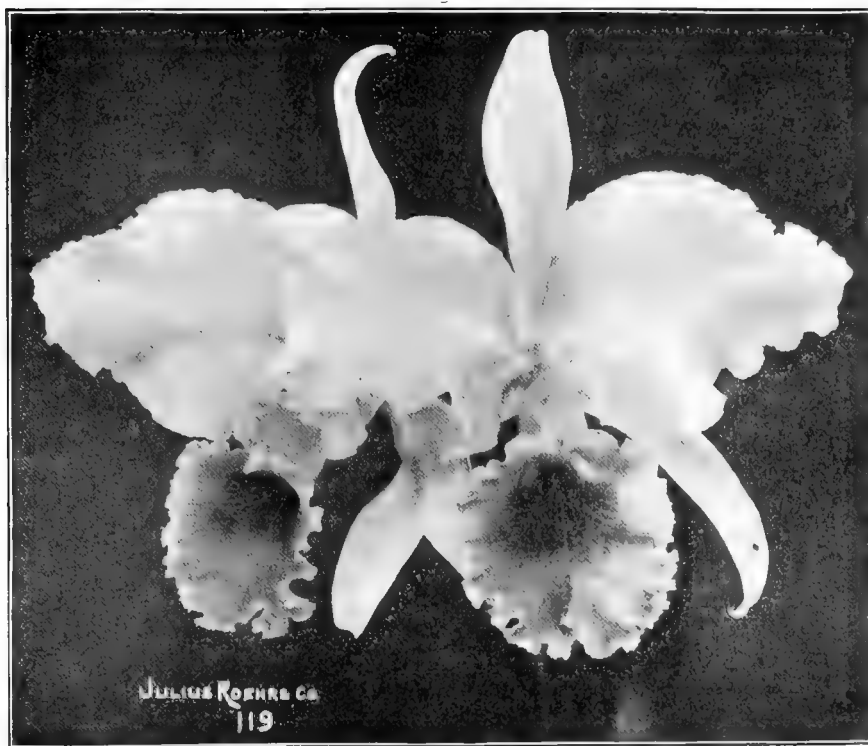
Our extensive plant houses and nurseries at Rutherford, N. J., are open for inspection at all times and you are invited to visit them.

JULIUS ROEHRS CO.,

ORCHIDS

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Cattleya Trianae

Special collections made up for beginners—Orchids alone or in connection with other decorative stove and greenhouse plants, of which we carry a stock *unrivalled in quality and extent*, and including all worthy novelties as they appear abroad. Palms in all useful commercial varieties and sizes. Plants for forcing. Ornamental conifers, nursery and pot grown. Boxwoods and Bays. Largest stock in the country of Standard and Pyramidal Bays. *Write for a Catalogue.*

RUTHERFORD, N. J.

NEWS OF THE CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

E. O. Orpet was the attraction at the May meeting of this organization and that he was a very prime attraction was evidenced by the well-filled hall. His topic, "Orchids," is one on which Mr. Orpet is very much at home and his talk, which was extempore, was attentively listened to and elicited an abundance of earnest discussion later on. Messrs. Cameron, Butterworth, Craig and Kenneth Finlayson, all past masters in the art, took part. Mr. Orpet disapproved of the so-called modern greenhouse for successful orchid growing, favoring the old-fashioned type even if pretty well run down as a structure. W. N. Craig disagreed entirely and believed that the best houses are not any too good for the orchid. On the question of feeding, on which Mr. Orpet dwelt at length, Mr. Butterworth picked up the gloves and declared that he had never in his life fed an orchid, although his product was recognized to be in the first rank as to quality.

Very little routine business was transacted and it is said that this was the first meeting since W. N. Craig assumed the secretaryship where there were no applications for membership. An invitation was presented from Dr. East for the members to attend the lectures at the Bussey Institution on Sundays 22 and 29th, inst., the topics being of especial interest to those engaged in floriculture. An invitation to visit William Sim, at Cliftondale, on June 4, was accepted with glee and a big delegation on that auspicious occasion is assured.

Action was taken towards ways and means for entertaining those members of the craft who may visit Boston on the occasion of the National Flower Show next year, and the president was authorized to appoint a committee accordingly.

There was a small exhibition, consisting of some trollius from Blue Hills Nurseries, pink antirrhinums from William Sim, and calceolaria from William Downs, all of which received honorable mention.

MASSACHUSETTS HORTICULTURAL SOCIETY.

Arrangements are now completed for the Orchid Show and entries placed indicate a turnout and display such as has never been seen in this country and far beyond the expectations of its promoters.

The exhibition will open on Thursday evening, May 26, at 8 o'clock, and will continue until Monday night, May 30. The first evening will be a full-dress affair, with price of admission tickets \$3.00 each. The best music obtainable will be provided and opening addresses will be made by distinguished officials.

AMERICAN GLADIOLUS SOCIETY.

The proposed American Gladiolus Society is now in progress of formation. The first meeting for the adoption of by-laws and the election of officers for the first year, will take place May 27, at 3 p. m., at Horticultural Hall, Boston.

NEW JERSEY FLORICULTURAL SOCIETY.

Dr. J. M. H. Kitchen of East Orange, read a paper on the "Question of Heating for Orchid Culture," before this society on Friday, May 13th. He recommended hot water as the best medium for heating and advised having plenty of radiating surface then the pipes need not be so hot, which makes it more congenial for the orchids.

A very interesting discussion followed in regard to time of shading. Dr. Kitchen said he shaded the latter part of January, using white lead and kerosene. J. A. Manda considered that time too early and recommended the latter end of March. He preferred crude oil and whitening as being the best and cheapest material for shading. To get rid of the cattleya fly, Dr. Kitchen said that he had tried all kinds of insecticides but found he got the best results from strong fumigation with tobacco stems, when the plants were not in flower.

The monthly exhibit for points was exceptionally fine and the competition very keen. Those who have the lead in the various classes at present are: Albert F. Larson, on roses; Max Schneider, on carnations; John J. Dervan, on vegetables, and Wm. Reid, on foliage and flowering plants.

The following awards were made:

Roses—Albert F. Larson, 90 points; John J. Dervan, 90; Frank Drew, 85; William Reid, 70. Carnations—Max Schneider, 80; John J. Dervan, 75; William Reid, 70. Flowering plant—John J. Dervan, 85; William Reid, 75. Foliage plant—Wm. Reid, 90. Vegetables—John J. Dervan, 90. Cattleya Mossiae Lager & Hurrell, 80.

Cultural certificates were awarded to Max Schneider for cineraria, Victory carnations, rhubarb and lettuce; John J. Dervan, for calceolarias; Albert F. Larson, for roses, also a first class certificate for scarlet seedling carnation. Fritz Berglund, gardener for the Essex County Country Club, showed a nice vase of canterbury bells.

John J. Dervan will read an essay on growing roses under glass at our next meeting.

WILLIAM REID, Secy.

ST. LOUIS HORTICULTURAL SOCIETY.

Whereas, the officers of the St. Louis Horticultural Society have learned of the sudden and untimely demise of Mrs. M. S. Vesey; and

Whereas, The St. Louis Horticultural Society together with the horticultural profession is suffering severely by the loss of her counsel and her cheerful and congenial companionship; therefore, be it

Resolved, That the St. Louis Horticultural Society as a mark of high esteem and expression convey to the sorrowful family our consoling sympathy. Every life, no matter if its every hour is rich with love and every moment jeweled with a joy, will at its close become a tragedy as sad and deep and dark as can be woven of the warp and woof of mystery and death, but in the night of death hope sees a star and listening love can hear the rustle of a wing. She added to the sun of human joy and were every one for whom she did some loving service to bring a blossom to her grave she would sleep beneath a wilderness of flowers.

THE EXECUTIVE COMMITTEE.

Per Otto G. Koenig, Secretary.

May 13, 1910.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

We take pleasure in notifying you that the following additional prizes have been offered for the annual exhibition of our Society to be held in July:

F. R. Pierson Co.'s prizes, for 12 vases of sweet peas; first, \$10.00; second, \$5.00.

Aphine Mfg. Co.'s prizes, for collection of sweet peas, open to the florists only; first, \$15.00; second, \$10.00.

Anton Zvolanek prize, for the best 10 vases of Spencer and Unwin types; \$10.00.

John Young prize, for the best vase of sweet peas never before exhibited; \$5.00.

We are expecting additional prizes and the regular schedule is now in course of preparation. The preliminary schedule will be mailed upon application to anyone requiring it.

If any concern or individual wishes to offer a prize for the coming exhibition, kindly notify the secretary. The prospects are that we shall have not less than 3000 vases exhibited this summer. Details and particulars will be furnished later.

HARRY A. BUNYARD, Secy.

AMERICAN ROSE SOCIETY.

The American Rose Society has commissioned the Rev. Dr. Spencer S. Sul-liger, of Vancouver, Wash., an amateur rosarian of repute and one of the Pacific Coast members of several years' standing, as representative to the annual Rose Show in England. Dr. Sul-liger leaves New York this month for Great Britain. Richard Vincent, Jr., of White Marsh, Md., takes a letter to the International horticultural meeting at Belgium, which he is going to attend. These gentlemen will report back to the Society, which will form a part of its annual proceedings. John F. Huss, of Hartford, Conn., one of our prominent members goes to France and Switzerland, and this trip also is in the interest of roses.

The Society has closed up its premium list as awarded at the spring show, with one exception. The membership of paid dues exceeds the number at any time received previously as regular members.

An inquiry has been received from one of the Government Departments, as to the value and volume of roses used commercially in the United States and inquiries forwarded to the various distributing centers have brought responses which indicate that probably one-fourth of the value of all flowers grown under glass are roses. The observations made in travel indicate that the Rambler class of all roses are becoming more and more in evidence of popular use, all of which shows that with the growth of the country the growth of nice things is also coming in for large development.

The officers of the Society wish to thank the many donors of special prizes for the prompt response and payment of their respective premiums.

BENJAMIN HAMMOND, Secy.

Established Orchids

IMPORTED ORCHIDS

25,000 Plants

Largest assortment ever offered at one time. In splendid condition. Write for special price list.

Rare Orchids

Hybrid Orchids

Cattleya Bowringiana
citrina
Dowiana
Gaskelliana
gigas

" Sanderiana

Harrisoniae

labiata

Mendelii

Mossiae

Percivaliana

Schroderae

Skinnerii

speciosissima

Trianae

velutina

Walkeriana

Warnerii

Oncidium Cavendishii

crispum

Forbesii

bicallosum

leucochilum

Marshallianum

splendidum

Wentworthianum

tigrinum

Varicosum Rogersii

Laelia anceps

" alba

autumnalis

cinnabarina

Perinii

Jongheana

albida

purpurata

superbiens

Dendrobium nobile

Wardianum

formosum giganteum

Phalaenopsis Schroderae

superbiens

Dearei

Vanda coerulea

Boxallii

Batemanii

Bensonii

Parishii

Sanderiana

Phalaenopsis amabilis

Schilleriana

Stuartiana

Sanderiana

grandiflora

Miltonia candida

Clowesii

cuneata

flavescens

Odontoglossum grande

Rossii majus

Epidendrum Vitellinum majus

Lycaste Skinnerii

Zygopetalum Gauthierii

Saccolabium giganteum

Cypripedium Charlesworthii

bellatulum

Renanthera Imschootiana

Coelogyne Cummingii

Cyrtopodium punctatum

Cymbidium eburneum

JOSEPH MANDA

ORCHID EXPERT

West Orange, N. J.

Orchid peat.

Orchid moss.

Orchid baskets.

Orchid pans.

ORCHIDS ORCHIDS ORCHIDS

The love for this charming class of plants is evidently on the increase, and no wonder, considering the gorgeous effects given, especially in the Winter and Early Spring Months.

Their lasting qualities alone should warrant them a place in any Garden.

We very cordially invite a visit of inspection, by visitors to England, of our large and well grown stock. The Nurseries are easily reached by Rail or Motor from Central London.

We will be pleased to send our Catalogue on application, and can make special quotations for large quantities. The collection is most unusually complete, comprising in addition to most of the favorite species:—

CATTLEYAS AND LAELIAS of all the popular kinds.

LAELIA CATTLEYAS a most free flowering class.

BRASSO-CATTLEYAS AND BRASSO-LAEIAs

CYPRIPEDIUMS a most up-to-date collection, flowering mostly in Mid-Winter.

ODONTOGLOSSUM CRISPUM AND PESCATOREI by the thousand.

ODONTODA Hybrids between *Odontoglossum* and *Cochlioda* a class of *Odontoglossum*-like plants of all shades of Scarlet and Red.

BOTANICAL ORCHIDS one of the most complete collections in the country.

Our representative, Mr. H. A. Barnard, will be visiting the Great Boston Show and would be happy to give any information.

His address until mid-June is, Hotel Albert, 11th St., New York City.

Stuart Low & Company

Royal Nurseries, Bush Hill Park

ENFIELD, MIDDLESEX, ENGLAND

Oncidium varicosum Rogersii

BODDINGTON'S TYPE

We are expecting an importation to arrive at an early date. We have imported this variety for many years from an experienced collector and it has proved all we claim for it both as to size of flowers and intense coloring.

This Orchid is one of the most popular and free-flowering types of the *Oncidium* family. Our past importations have come fully up to standard. *Oncidium varicosum Rogersii* throws 3-foot stems, bearing as many as 170 blossoms of an intensely rich golden yellow, 2 inches and over in diameter, and can be successfully grown either on blocks of wood, in pots or in baskets, and flowers in November and December in a night temperature of 55 to 60 degrees.

\$1.25 each, \$12 per doz., \$100 per 100; selected plants \$1.50, \$2, \$3, and \$5 each according to size.

ARTHUR T. BODDINGTON

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Headquarters for all
Central American Varieties

Just received nice importations in fine condition for immediate shipment the following varieties:

Oncidium Splendidum
" Leucochilum
" Wentworthiana
" Ornithorynchum
" Graminifolium
" Bicallosum
" Cavendishii

Lycaste Skinneri
Cattleya Skinneri
" Bowringiana
Laelia Superbiens
" Digbyana
Odontoglossum Grande

My arrangements and facilities enable me to quote lowest possible prices for all Central American varieties for present or future delivery. Write for them.

J. A. NEWSHAM

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Largest Importers, Exporters, Growers
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Freshly imported in great variety,
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Write for information and prices

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We've Been Talking to You APHINE

For several months Past. Made Big Claims, Didn't We as
to its Merits as the

Best General Insecticide

Ever Offered to the Plant and Flower Grower Pestered with Aphis, Mealy Bug, Scale, Red Spider and Plant Lice of Many Breeds? Seemed Hardly Credible that this New Comer Could Do So Much and do it so Much! Better than any Insecticide ever before tried? But it **did** Make Good and Already has a Reputation and Enthusiastic Users throughout the Length and Breadth of the Continent and if you, Plant Grower, are not already an ardent advocate of its efficacy, you surely will be, very soon, as are so many of your brother gardeners and florists, a few of whose experiences are given below:

"SAFE."

"The Aphine received from you has been thoroughly tested and proved to be a most effective exterminator of all such insects to which ferns are subjected. If your preparations are of uniform strength, a solution of 1 to 15 will be safe on the most delicate ferns."—J. F. Anderson Fern Specialist, Short Hills, N. J.

"ALMOST A SPECIFIC."

"I have again tried your material at various strengths on plant lice, and there is no doubt that, as against these insects, it is almost a specific. It kills everything that it touches at the strength that I have used. . . . You can guarantee your material to be effective against plant lice. I know that from personal experience and it seems to be equally effective against all the kinds of plant lice against which I have used it."—John B. Smith, Entomologist, New Jersey Agricultural Experiment Stations, New Brunswick, N. J.

"NOTHING THAT COMPARES WITH IT."

"I want to say that I have given your preparation for the destruction of Aphids a very thorough trial on cucurbits and other plants infested with Aphids and find it works very successfully; in fact, for this special purpose I have found nothing that compares with it."—Edmund B. Southwick, Entomologist, Department of Parks, New York City.

"DEATH IN A FEW MINUTES."

"Your sample of insecticide was received in due time. The Aphine I have tried on the

Green Fly, Sugar Maple Aphid, and Euonymus scale and found it entirely satisfactory. In each case the death of the insect occurred in a few minutes."—John Herlihy, Arboriculturist, Prospect Park, Brooklyn, N. Y.

"CANNOT AFFORD TO BE SHORT."

"After using your product for the past three months, find that it has effectively killed all the green and black fly on double and single violets in our houses, without injuring in the least the flowers or even tender center leaves. We sprayed our young sweet pea vines, which were badly infested with green fly and that one application has cleaned out every aphid visible to date. We have placed order for ten gallons Aphine with your local agents to keep on hand, as we cannot afford to be short should another crop of fly appear."—J. H. Slocombe, New Haven, Conn.

"NO INJURIOUS EFFECT WHATSOEVER."

"After having given your Aphine a most thorough test, using it for more than a month in my houses, I can certify that it does all you claim for it, and, that, although it has been applied to both tender foliage and flowers at various strengths, it had no injurious effect whatsoever on the same."—Benjamin Gary, Gardener, Holmesdale Greenhouses, Madison, N. J.

"BEST I HAVE EVER USED."

"Enclosed please find \$2.50 for one gallon of Aphine, the best article I have ever used to clear plants of insects."—K. T. R. Graves, Pinehurst Greenhouses, Au Sable Forks, N. Y.

"Aphine has a future as wide and long as the United States" says "Collier's Weekly."
"Aphine will do all you claim for it and more" says Charles H. Totty.

Equally successful on Outdoor and Indoor Vegetation, and is

Indispensable to the Orchid Grower

Aphine is sold in four sizes—Gallons \$2.50, Quarts \$1.00,
Pints 65 cents, Half Pints 40 cents

Send for Descriptive Circulars and Address of Nearest Selling Agent

Aphine Manufacturing Co.

MADISON, N. J.

EVERY FLORIST

to travel in the front rank will read this ad. about a man and his business as a most enthusiastic hustler to bring the choicest of Flora's products to you. too good. **THE BUSINESS** is what we want to tell you about in this country. Of course there are imitations. But no establishments can compare and rarest at all seasons. ***You all know*** that when you must have flowers that first comes to your mind for the high standard of quality and service established have never been departed from.

YOU KNOW

how greatly to your advantage it will be if you are in a position to supply for that swell Wedding next month flowers out of the ordinary and absolutely exclusive. *I can do the trick* for you as I have before for many a florist whose business today holds its leadership because it

TIED UP TO McMANUS



DON'T OVERLOOK

that the season of brisk demand for Orchids is now at hand and short supply. I have also other specialties besides Orchids which you can depend upon.

Gardenias, Lily of the Valley, Sweet Peas, White and Yellow flowers which you cannot find elsewhere. In Orchids the leaders are Gaskelliana, Lælia elegans, Dendrobium formosum giganteum, densiflorum.

42 W. 28th Street

JAMES M.

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WHO CARES

THE MAN is known from the Atlantic to the Pacific within the reach of every florist for whom the best is none other. It is the foremost and best established of its kind in the continent has the same resources for supply of the finest everything exceptionally distinctive **McMANUS IS THE NAME** and in business methods adopted when this business was first and you get what you order.

NO DOUBT

you are going to the big Orchid Show in Boston. Everybody that's anybody will be there. You'll have a chance to see some of the fancy stock from my growers. *I'll be there myself*, and if you are interested in Orchids, either as a grower or a dealer, I'll be glad to meet you and have a talk for our mutual advantage.

IT WILL PAY YOU

THE FACT

any important event in prospect you will be wise to speak early. best in the market. For instance:

Antiums and Asparagus, as well as choice tidbits in conservatory
Meyas Mossiae, Mendelii, Gigas (simply gorgeous), Skinneri and
um, Cypripediums, Aërides, Miltonias and Odontoglossum crispum.

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39 W. 28 STREET

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Roses, Carnations, Orchids and Everything Else Seasonable and Desirable in

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Sole Agents for Fifteen Years for the Sale of the

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OF RUTHERFORD, IN. J.

53 West 28th St., New York

ROYAL HORTICULTURAL SOCIETY OF LONDON.

The meeting held on Tuesday, May 3, was a large one, and besides the orchid, floral and vegetable and fruit committees, it was the occasion chosen for holding the National Auricula Society's annual exhibition of plants in bloom—always an attraction for amateurs and the trade interested in these pretty flowers. Exhibits of a miscellaneous description were numerous.

Orchids were shown by all the regular exhibitors at these meetings, including E. V. Low, M. Maurice Mertens, C. Turner, Sander & Son, E. Rogerson and others. Among Mr. Rogerson's plants was *Miltonia Bleueana* Hesse, var. a large white flower, four inches by three inches, with patches of light and dark purple in the centre, which obtained a first-class certificate.

J. Veitch & Sons showed *Brassocattleya-Laelia* Pink Beauty, the pale purple flowers having a much frilled lip edged with darker tint and orange staining in the throat. The parents are *Laelio-cattleya Hippolyte* × *Brassocattleya Digbyano Mossiae*.

Mr. d'Barri Crawshaw showed *Odontioda Charlesworthii*, a marvellously bright crimson colored variety with a spike of 10 flowers two inches in diameter. It is the finest *Odontioda* of the color yet raised. A first-class certificate was awarded.

Mr. MacBean obtained an award of merit for a magnificent exhibit of *Odontoglossum crispum*, and a similar one for a plant of *Cattleya Mendelii* Pearl MacBean. Charlesworth & Co. made a small display with plants of fine quality. Noted was *Trichopillea Backhouseana*, white flowered, except for the lip, which is stained yellow.

H. Burnett showed fine carnations, as he always does, of varieties raised at his nursery and in the U. S. A. The variety Mrs. C. F. Raphael received an award of merit. It was raised at the Guernsey nursery. Mrs. W. B. Clode, also raised there, is a fine large flower that indicated its origin from the Malmaison race. The exhibitor showed capitally, Winona, Bay State, The President, R. F. Felton, Hon. Mrs. Hunter, etc.

The various exhibits of narcissi had a great attraction for the visitors, but

there are too many alike and their name is legion. Someone should make a selection of the most distinct varieties in every class, and doing this would assist buyers who cannot come to the nurseries and shows to make their choice. The variety Will Scarlet, with a reddish orange cup one inch across and creamy white perianth segments; Larissa of the same section, with perianth white and good substance, were particularly admired. A fine bicolor variety is Harmony with a canary colored corona and a white perianth. The above were remarked in an exhibit from R. H. Bath of Wisbeck.

It is worth mentioning that the new varieties of *Schizanthus retusus* are great improvements on this old inmate of our gardens. Messrs Garraway

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, so, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

Madison, N. J.,

ORDONEZ BROS.

Special Announcement

The firm of FORD BROTHERS, 48 West 28th Street, New York, Wholesale Commission Dealers in Cut Flowers, was dissolved by mutual consent, May 1, 1910; William Ford retiring from the firm.

The Florist Trade are hereby notified that I have taken over the business and will continue it under the same methods which gave the firm of Ford Bros. so high standing in the estimation of the New York Trade.

I have removed to 121 West 28th Street, a locality where the leading Wholesalers are now locating, and with best of facilities ask for a continuance of past cordial business relations.

M. C. FORD 121 West 28th Street
NEW YORK CITY

& Co., showed these graceful plants in perfection. Streptocarpus in variety were also noted in several exhibits employed as edging to groups of other plants.

The first prize in the class for 24 show auriculas fell to the veteran cultivator J. Douglas of Edenside Nursery, who likewise secured a first class certificate for the novelty Seamew, a grey edged flower, and for the premier Show Auricula George Lightbody, green edged. F. M.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of this society was held in Glen Cove, N. Y., Wednesday, May 11th, with a large attendance. Messrs. Eccles, Gaut and Johnston acted as judges with the following decisions on the monthly competition: Lettuce, S. J. Trepass; gardenias, G. Wilson; mushrooms, G. Wilson. Cultural certificates were awarded to S. J. Trepass for tomatoes; J. Everett for a grand box of mushrooms, H. McDonald for cucumbers. Honorable mention to: H. Matz, for sweet peas, a very promising seedling; V. Cleres for canterbury bells and lettuce; Paul Reul for vegetables; F. Petroccia for beans; J. Reidenbach for lettuce, citrus and sweet peas; H. McDonald for antirrhinums; H. Fleishauer for Darwin tulips and rhubarb. G. Wilson received thanks of the society for deutzia and asparagus, H. Matz for sweet peas, F. Petroccia for lettuce, and Paul Reul for sweet peas. Last meeting a cultural certificate was awarded to V. Cleres for a grand vase of American Beauty roses that were greatly ad-

mired by everybody. At the next meeting, prizes will be for pteris, adiantum and nephrolepis.

PEOPLE'S GARDEN ASSOCIATION.

Within the past few weeks there has been formed in Washington an association known as the People's Garden Association, for the purpose of assisting in making the city beautiful, and is composed of the following officers: David G. Fairchild, president; Mrs. S. F. Emmons, chairman of the garden council; Herbert Parsons, second vice-president; Frank B. Noyes, third vice-president; Miss Martha Phillips, fourth vice-president; F. M. Estabrook, recording secretary; Robert F. Miller, treasurer. On May 6th the officers and a score of members had a meeting, when they were given suitable seeds for roadside culture, garden utensils and instructions as to where to plant, etc., and a number of roads have already been planted with them. The new club is quite enthusiastic over their new venture and it is hoped that they may fully realize their expectations.

DETROIT FLORIST CLUB.

At the last club meeting all the members were very interested to become acquainted with the secrets which cause a Doyle boiler to produce nothing but heat. No smoke, no soot, no cinders and but very little ashes. Previous reports by Messrs Doyle and Plumb, who had seen practical demonstrations in Chicago, seemed like a dream, but tonight's explanations by Dr. Price and Mr. Hummel, convinced us that inventor Doyle has at last solved the great problem of perfect combustion.



ORCHIDS

for the

Trade Only

Alphonse Pericat, Orchid Specialist and Importer, offers his brother orchid growers a part of his recent importation from South America—just arrived in splendid condition—as follows:—

	Per Case
Cattleya Trianae, - -	\$40.00
" Schroederae,	\$55.00

These are the best orchids for the commercial florist. Order at once as the surplus is limited.

Dendrobium Formosum: Fine lot imported stock; 6 to 10 bulbs each, \$1.00, \$1.25 per clump.

Schroederae and Trianae, cases contain about 400 bulbs each (more or less according to size)

Alphonse Pericat

ORCHID SPECIALIST AND IMPORTER
Collingdale, PHILA., PA.

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We Can Fill Orders For

1910

MEMORIAL DAY

We filled all orders
sent us at Easter; can do
so now.

Long Distance
Shipments packed with
great care

**Carnations, Spiraeas,
Stocks, Roses, including
Am. Beauty**

Hardy Ferns and Galax, Lilies, Lily of the Valley,
Sweet Peas, Peonies, Pink Pond Lilies and all
Seasonable Flowers. Also Everything in Supplies
for a Flower Store.

Our packers and shippers
are men of long experience
in the work.

The flowers
we send out are raised by
the best growers in the
country.

CHOICE ORCHIDS

We carry a full supply of varieties in Season,
Largest Stock in New England

WELCH BROS.

THE RELIABLE HOUSE

226 Devonshire St., Boston, Mass.

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HORTICULTURAL SOCIETY OF NEW YORK.

The annual meeting of the society was held on Wednesday, May 11th, at the Museum building, New York Botanical Garden. The annual report was read, showing a year of increased activity all along the line. Three exhibitions were given during the year, one in June, a large one last fall at the American Museum of Natural History, and one in March in conjunction with the American Rose Society. At the meeting just held the membership was increased by the election of 21 annual members, and 1 life member. This makes a total net gain during the year of 40 members, 3 of which are life members. This advance is most encouraging, for if the society can have a large membership, its usefulness in the world of horticulture will be greatly increased. If each member will consider himself a committee of one to add one more member to the society, the desired result will soon be accomplished.

At the annual meeting the officers and members of the council for the succeeding year are elected. The election just held resulted as follows:—President, Geo. T. Powell; vice-presidents, N. L. Britton, T. A. Havemeyer, Patrick O'Mara, Samuel Thorne, James Wood; secretary, George V. Nash; treasurer, F. R. Newbold. Council, elected members: F. L. Atkins, J. W. Cromwell, Henry P. Du Pont, Henry Hicks, John E. Lager, J. A. Manda, E. S. Miller, Clement Moore, W. Nilsson, F. R. Pierson, I. L. Powell, E. H. Roehrs, H. H. Rusby, H. A. Siebrecht, E. B. Southwick, James Stuart, J. H.

Troy, Robert Simpson, W. H. Waite, C. W. Ward, C. B. Weathered, A. L. Willis.

It was decided to hold a summer exhibition of plants and flowers at the New York Botanical Garden, on Saturday and Sunday, June 4th and 5th. All are invited to make this exhibition attractive, whether members of the society or not, by sending in exhibits. The following schedule has been prepared. A copy of this will be sent to anyone desiring it by addressing the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

Peonies.

Class P 1—3 white varieties, 6 flowers of each, first, \$5.00; second, \$3.00.

Class P 2—3 light pink varieties, 6 flowers of each, first, \$5.00; second, \$3.00.

Class P 3—3 rose varieties, 6 flowers of each, first, \$5.00; second, \$3.00.

Class P 4—3 crimson varieties, 6 flowers of each, first, \$5.00; second, \$3.00.

Class P 5—Collection of singles, 3 flowers of each, first, \$5.00; second, \$3.00.

Class P 6—Largest and best collection, not less than 6 flowers of each variety, first, \$25.00; second, \$15.00.

Miscellaneous.

Class M 1—Collection of hard roses, first, \$10.00; second, \$5.00.

Class M 2—Collection of hardy flowering shrubs and trees, first, \$10.00; second, \$5.00.

Class M 3—Collection of hardy rhododendrons and azaleas, or either, first, \$10.00; second, \$5.00.

Class M 4—Collection of hardy herbaceous plants, first, \$10.00; second, \$5.00.

Class M 5—Collection of irises, first, \$5.00; second, \$3.00.

Class M 6—6 orchid plants in bloom, first, \$10.00; second, \$6.00.

Class M 7—3 orchid plants in bloom, first, \$6.00; second, \$4.00.

Class M 8—1 orchid plant in bloom, first, \$3.00; second, \$2.00.

Class M 9—Collection of cut orchids, first, \$6.00; second, \$4.00.

Special Prize.

Offered by Mr. L. S. Livingston for the best collection of cut flowers of various irises of the *Oncocyclus* or *Regelia* sections, or hybrids of these, not less than ten varieties, \$25.00.

GEORGE V. NASH, Secy.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The Peony Show of the Pennsylvania Horticultural Society which was expected to occur either on the 21st or 24th inst., has been postponed to June 1st, and will now be combined with the Rose Show on the said date. The cool weather of the past three weeks has fooled everyone in regard to the peony. The plants seem to have stood stock still during all that time—in spite of their forward condition on May 1st.

PERSONAL.

George M. Stumpp, New York, N. Y., will sail for Europe on May 24.

George Aengle is the new manager for the Philadelphia Cut Flower Co., Philadelphia, Pa.

Wm. Muth has severed his connection with the Philadelphia Cut Flower Co., Philadelphia, Pa.

John H. Taylor and family of Bay-side, N. Y., will sail for a prolonged European trip on June 4.

John Graff is now in charge of the carnation department for the Cottage Gardens Co., Queens, N. Y.; he was formerly assistant grower.

Samuel Halre is now gardener at Reginald Vanderbilt's estate, Sandy Point Farm, South Portsmouth, R. I.

For Decoration Day

We have this year the most complete, elegant and salable stock of florists' goods ever offered for the MEMORIAL DAY trade. Our line of PRESERVED FOLIAGE and other INDESTRUCTIBLE DECORATIVE MATERIAL cannot be excelled and the name of BAYERSDORFER & CO., on the package guarantees that goods and prices are what every florist wants.

LAST CALL

Fresh flowers will be **Very Scarce** this time. **SEND NOW** for list of Standard and New Goods for this important occasion. All you have to do is to show the goods. **THEY'LL SELL.** Wreaths of Cycas, Magnolia, Fern and other foliage in Green, Autumn Tints and Moss effects are among the novelties.

METALLIC WREATHS are our specialty; we make them up with Roses, Pansies, Forget-me-nots or anything you please. **STANDING ANCHORS, PILLOWS, WREATHS, ETC.**, all graceful and true to nature. **Cape Flowers; Immortelles, all colors; Doves; Sheaves.**

H. BAYERSDORFER & CO.

The Florists' Supply House of America

1129 Arch Street, Philadelphia, Pa.

Boston Flowers for Memorial Day

We can ship in good order to all points in New England and New York State, all regular lines of Flowers in full supply, besides

PEONIES and SOUTHERN GARDENIAS AS SPECIALTIES

Also GREENS and other Requisites

Last year the weather was unprecedentedly hot and successful shipping was accomplished with difficulty. This year our roses will be packed in ice instead of standing in jars of water until shipping, and we hope to have them arrive at destination in first class unopened condition.

Send for Price List.

N. F. McCarthy & Co., Tel. 5973 Main **84 Hawley St., Boston, Mass.**

He was for many years gardener for the late Gordon McKay.

M. Matheron, carnation grower for the Cottage Gardens Co., Queens, N. Y., has severed his connection with that concern and is building a greenhouse plant for himself at Baldwin, L. I.

Frank Jenkins recently resigned his position as gardener for Col. Payne at Thomasville, Ga., and is now in charge at "The Breakers," the estate of Mrs. Cornelius Vanderbilt, Newport, R. I.

Harry A. Barnard, representing Stuart Low & Co., arrived at New York Friday, the 13th inst., on the Lusitania. He will be an interested and interesting visitor at the Boston Orchid Show next week.

Mr. R. Vincent, Jr., who has been visiting the European exhibitions and has contributed some interesting notes

thereon for HORTICULTURE, writes that after a few days in London, he will sail for New York, where he expects to arrive next Sunday, 22d inst.

Charles Maynard, formerly at North Easton, and employed on several private estates of note in this country, and previously with Sander, St. Albans, as orchid raiser, is now representing Julius Roehrs Co. on the road. He will be present at the Boston show prepared to talk orchids to prospective buyers.

Visitors in Boston—Lawrence Cotter, Jamestown, N. Y.; E. O. Orpet, South Lancaster, Mass.; E. J. Harmon, Portland, Me.

Visitors in New York—H. A. Barnard, representing Stuart Low & Co., London, Eng.; P. Welch, Boston, Mass.; J. T. Butterworth, South Framingham, Mass.; C. H. Vick, Rochester, N. Y.

The statement that "the Frankfort palm and botanical garden is one of the most celebrated in the world" is made in a published description forwarded by Consul-General Richard Guenther. Furthermore, "contrary to most gardens of this kind it is managed upon a strictly commercial basis by a stock company, which explains the presence of devices for pleasure and sport."

Those Desiring Wreaths

For Memorial Day. We can supply them if order is placed now. Price and sizes of same given on application. Made of Laurel or Lycopodium. Best **Fancy Ferns** to be had \$1.50 per M for Memorial Day. Write for price on any kind of NATIVE DECORATIVE MATERIAL, ETC.

H. J. Smith, Hinsdale, Mass.



Memorial Day



New Crop Dagger and Fancy Ferns, ^{extra fine quality,} **\$2.00 per 1000**

Bouquet Green, - - \$8.00 per 100 lbs.

Boxwood, - - - - 18.00 per 100 lbs.

Leucothoe Sprays, - - \$1.00 per 100

Branch Laurel, - - - 50c. per bunch

Laurel Wreaths, - - \$3.00 per dozen

Brilliant Galax, Bronze,

\$1.00 per 1000; \$8.50 per 10,000

Brilliant Galax, Green,

\$1.00 per 1000; \$7.50 per 10,000

Laurel Festooning, good

and full, - 5c and 6c. per yard

Headquarters for all Florists' Supplies, such as **Wire Designs, Cut Wire, Letters** of all kinds, **Immortelles, Cycas Leaves, Sheaves of Wheat, Ribbons, Boxes** — Folding Blue and Corrugated, etc.

50,000 Roses, 75,000 Carnations, 35,000 Sprengeri, 35,000 Stocks, Lilies, Callas, Asp. Plumosus, Orchids, Special Valley, Sweet Peas, Spireas, Candytuft in any quantity.

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BOSTON, MASS.

SUMMER ROSES FROM A GROWER'S POINT OF VIEW.

Paper read before the Buffalo Florists' Club on Tuesday, May 3rd, by Charles T. Guenther.

Not so many years ago there was practically no demand for good summer roses and in consequence none or very few were grown. Whatever demand there was had to be filled with roses which were grown for winter cut or all the year around. Of course a lot of LaFrance roses were grown during the whole year and it was certainly a beautiful flower, and I am at a loss to understand why it is not grown now.

About 1892 or 1893, Testout was sent out and first grown for winter flowering and was found to be too expensive. Kaiserin followed about the same time and, at a well known rose grower's place around New York, it gave such poor satisfaction during the winter months that it was thrown away after two years' trial. But what a grand flower for summer cut! After trials in several places for summer flowering it gave such good satisfaction that it is today the only good white summer rose grown. It has several faults but these can be overlooked when you get these grand flowers which the plants will produce all summer long. Testout was tried the same way and extensively grown on the same principle in the East.

Shortly after, President Carnot was sent out and while wanting as a winter bloomer, the fine flowers produced on long stems during summer were very pleasing to the grower. The public, however, was slow in taking hold and I remember that we were

growing this rose for about a year and a half before there was any real demand for same. Now it is well liked and a rose of the same color for winter cut would be very welcome.

A few years after Killarney appeared and while disappointing when first seen, we must say that since, it has conquered the world. It is a free bloomer during winter and the same plants will produce good flowers during the summer. It is more particular about treatment than other roses, but when well grown, the color is good, also the stem. The foliage takes mildew easily and the flowers are somewhat single, but the public like them.

La Detroit made its appearance shortly after and we always liked the flower. We are growing a few for the summer cut at present, but opening so quick in warm weather, we will probably replace it with another pink one called "Ideal." Ideal is a sport of La France, somewhat darker than the parent, but the plants we have have given such satisfaction that we may grow more for pink for summer cut. When you cut the flower it seems quite single, but the flowers open so nicely and are so full that you can scarcely improve it, and what a nice smell the flowers have. Wellesley is another good pink summer rose, but as we have not grown many, I cannot give you my opinion until later. In the darker red roses, we have practically only the American Beauty which gives good satisfaction to the buyer at any time of year, if not always to the grower.

Of the newer roses, My Maryland is very well spoken of, but what it will do can be seen only next year, as the

limited stock in this country is used this year for propagating. White Killarney showed up fine in several places where I have seen the flowers and if it will prove as good a seller as the pink Killarney, it may become a standard rose for all the year round. President Taft is another new rose and from what I have seen of the flowers would think that it will make a fine summer rose.

All these roses have to be grown in greenhouses around Buffalo to give good satisfaction. But one rose has given us very good satisfaction outdoors and that is M. Cochet. Flowers from outside are better than those grown inside unless they should get spoiled from rain. After several trials of keeping plants of this variety outside, all winter, we dig up the plants in the fall, pot them and store them in a cold house where they begin to grow slowly in the spring. At the end of May we plant them outdoors and if they are watered well you will get a lot of good flowers all summer long and I think that Cochet and its white sport should have the widest dissemination among owners of gardens who like to cut a few roses during the summer from their gardens. Around Baltimore this rose will stand the winter outdoors but here we have not succeeded in keeping them in good shape outdoors.

May more roses fairly good for indoors and very good for outdoors can be mentioned, but as my experience with these has been limited, I leave it to some one more able to handle the subject and hope that these few words will help to make roses more popular among all classes of people.

'MUMS THE WORD

We have many thousands of plants in 2 1/4 in. pots, of such varieties as Appleton, Miriam Hankey, Nellie Pockett, Wm Duckham, Cheltoni and other Standard kinds that we are offering at \$3.00 per hundred, \$25.00 per thousand.

We will also quote special price on **Singles** of which we have some 90 varieties. We will give you a good selection of colors in as many varieties as you wish at \$5.00 per hundred.

Our Special Commercial Novelty for this year is Yellow Ivory.

This, we can give immediate delivery on, 2 1/4 in., at \$15.00 per hundred.

CHARLES H. TOTTY
Madison, New Jersey

Rose Plants

Grown on own roots, kept in cold houses during the Winter, now coming into bud and just right for outdoor planting; General Jacqueminot, Gruss an Teplitz, Clothilde Soupert, Crimson Rambler, etc., 6-in. pots, \$35.00 per 100.

Prairie Queen, 6-in. pots, very large, \$3.00 per doz.; 5-in. pots, very large, \$2.00 per doz.

Pres. Carnot, Clothilde Soupert, Richmond, La France, Louis Phillipe, Gruss an Teplitz, Gen. Jacqueminot, etc., 5-in. pots, \$25.00 per 100.

CRIMSON RAMBLERS FOR GROWING ON, 2 1/2-in. and 3-in. Rose pots, \$4.00 per 100.

HYDRANGEAS

HYDRANGEA Otaksa, for growing on, 2 1/4-in. pots, \$4.00 per 100, \$35.00 per 1000.

HARDY ENGLISH IVY, 3-in. pots, two leads, 12 to 24 inches long, \$8.00 per 100.

CHRYSANTHEMUM PLANTS, 2 1/4-in. pots, \$3.00 per 100.

BUTTON DAISIES (Bellis Perennis), large clumps, \$3.00 per 100.

FUCHSIAS, GERANIUMS, VERBENAS, PETUNIAS, SALVIA Zurich, **PYRETHRUM aureum**, etc. Prices on application.

CHRYSANTHEMUM PLANTS, 2 1/4-in., \$3.00 per 100.

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L. Vaughan...	172	Wm. Wolf....	142 2-3
E. Farley....	165 6-9	Lieberman...	141 4-9
J. Huebner...	165 6-9	Goerisch...	139 3-6
Tasternich...	161 3-9	E. Winterson...	139 3-6
Wm. Graff...	161 1-9	Ayres.....	127 4-6
Wiezoswoski.	160	Vogel.....	121 2-5
Geo. Asmus...	160 4-6	Krauss.....	119 2-3

NEWS NOTES.

Oakland, Cal.—Fred Seulberger, florist, has been reappointed horticultural inspector.

Norristown, Pa.—Adolf Mueller, 57 E. Main street, will now devote his entire attention to the store, having sold his interest in the Acorn Hill Nurseries at North Wales, Pa.

Holland, Mich.—The partnership of Jones & Ebelink has been dissolved. Mr. Ebelink will continue the greenhouse business, while Mr. Jones takes the Glenwood Fruit Farm and will do a general nursery business under the name of The Glenwood Nursery.

NEPHROLEPIS

Elegantissima Improved. Finest of this type; shows no tendency to revert to Boston. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen.

Superbissima. A very unique fern, with dark green foliage and of dense growth. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen.

Bostoniensis. 10-in., \$3.00 and \$4.00 each; 12-in., \$5.00 and \$6.00 each; larger specimens, \$7.50 to \$10.00 each—according to size.

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TARRYTOWN-ON-HUDSON,
NEW YORK

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BEDFORD, MASS.

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1500 MY MARYLANDS, fine, strong plants, out of solid beds, \$6 per 100, \$50 per 1000.

Also, several thousand Richmonds, two years old, \$50 per thousand.

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GARDENIAS

Fine large JESSAMINES (Gardenias) with beautiful foliage.

Stems from 8 to 12 in. \$ 7.50 per 1,000

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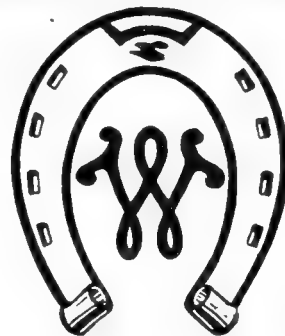
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GERANIUMS

Geraniums S. A. Nutt 3 in. \$4.00 per hundred, \$35.00 per thousand, fine bushy stock.

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Michell's Chinese Primrose

We have a very choice strain of Primula, which is grown for us by the leading Primula Specialists in England and Germany. Flowers of extra large size, and beautifully fringed.

	1/2 Trade Pkt.	Trade Pkt.
Alba Magnifica. White.....	\$0.60	\$1.00
Chiswick Red. Brilliant Red.....	.60	1.00
Holborn Blue.....	.60	1.00
Kermesina Splendens. Crimson.....	.60	1.00
Rosy Morn. Pink.....	.60	1.00
Michell's Prize Mixture.....	.60	1.00

CINERARIA

The Cineraria seed offered by us is the best procurable. Immense trusses of the largest flowers are produced. Our strains have been awarded numerous First Prizes.

	1/2 Trade Pkt.	Trade Pkt.
Grandiflora Prize Dwarf. Mixed.....	\$0.60	\$1.00
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James' Giant Strain. Mixed.....	.60	1.00
Hybrida Choice Mixed.....	.30	.50

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OBITUARY.

Miss Nellie Burt.

Miss Nellie Burt, sister of A. H. Burt the South Side Kankakee, Ill. florist, died at her home in North Morenci, Mich. recently.

Henry Cline.

Henry Cline, a well-known fruit grower and nurseryman of Carroll County, Ind., was found dead on the doorstep of his home near Flora, Ind., by neighbors recently. He was 78 years of age. It is believed he committed suicide in a fit of temporary insanity.

Joseph Lang.

Joseph Lang, one of Chicago's well-known florists, passed away at his home, 2010 Melrose street, early Sunday morning, May 15th, after a brief illness with peritonitis. Joseph Lang was born in Elgeswerer, Baden, in 1854, and left the Fatherland thirty years ago, spending a short time first in Dubuque, Ia., and then coming to Chicago, where he has resided ever since. After a few years as foreman of the greenhouses at Lincoln Park, he bought a place on the north side and erected greenhouses and a store, which business will be continued by Mrs. Lang, who with one daughter and three sons survive him. The funeral was Tuesday, May 17 and interment at St. Boniface cemetery.

In our notes on the approaching seedsmen's convention at Atlantic City, which appeared in issue of May 14, the St. Charles Hotel was mentioned as headquarters for the convention. We are informed that this selection was as originally made, but it was afterwards changed and the Hotel Rudolf chosen instead.



CELESTIAL MESSAGE The real message that the comet brings.

GROWTH OF THE NORTHWESTERN APPLE INDUSTRY.

As gold was the strong magnet which sent the first Americans across the unknown wastes of this continent to the California coast in 1849, so today the apple, the emperor of fruit, is attracting thousands to the western orchard belts. Millions of dollars have been invested in apple lands west of the Rockies during the last decade and beautiful orchards of young trees today mark the spots where but yesterday was a waste of brown, sagebrush-covered desert.

Reports from nurseries and growers in Washington, Oregon, Idaho, Montana and British Columbia are that between 4,000,000 and 5,000,000 one and two-year saplings will be planted in

the four states and provinces before the close of 1910. This means that more than 50,000 acres of land will be added to the area already under cultivation, thus giving a total of 400,000 acres in fruit in 1915.

INCORPORATED.

Twin Falls, Idaho.—The Twin Falls Nursery & Orchard Co., capital stock \$50,000. Incorporators, F. O. McFall, George C. Tyler, F. C. Schindler, C. W. Dyer, W. D. McCane, Robert Murdock and F. A. Hutto.

May 17, 1910.

Please discontinue my ad., and I must tell you I will not be so shy in using your columns again. I had splendid returns from my ad.

JOHN MCKENZIE.
No. Cambridge, Mass.

SEED TRADE.

Burpee Doings.

W. Atlee Burpee and his manager, Howard M. Earl, will leave Philadelphia on the 23rd inst. on their first inspection trip of the season among the western seed crops. The trip will extend as far as the Pacific coast and will there be more than usually interesting this year, as these gentlemen are keen to see how things are going at their new seed farms at Floradale under the management of our good friend, Edwin Lonsdale. "Floradale" is the name of the ranch as finally adopted by Mr. Burpee.

At the Fordhook Seed Farms in Pennsylvania the Messrs. Burpee are just commencing the erection of two new greenhouses for testing purposes, etc., each 16x100—plans and materials by the King Construction Co.

At Sunnysbrook, their seed farm in southern New Jersey, a new seed and implement warehouse is in course of erection.

At Fifth street, Philadelphia, where the farm has its headquarters and seed warehouses, building operations are already under way for the erection of an additional warehouse on the property north of their present mammoth establishment.

Mr. Burpee and his able staff will certainly have their hands full this year. What with building operations and inspection tours in America and Europe there will be little time for resting up after the strenuous spring season.

Mr. Earl reports that despite the cool weather of the past few weeks, plant life at Fordhook is coming along nicely and if the comet's tail does not strike them, thinks the prospects excellent for big crops.

We Would Announce the Opening of our New Store

"BUDS"

76 Barclay Street, New York

Orchid Peat and Sundries

High Grade Seeds, Bulbs and Plants

Give us a call

CARL R. CLOECKNER, Pres.

VEGETABLE PLANTS

	Per 100	Per 1000
BEEF PLANTS	20c.	\$1.25
EGG PLANTS	40c.	2.00
PEPPER PLANTS , Bull Nose, Sweet Mountain and Ruby King	40c.	2.00
TOMATOES , Small Plants, Earliana, Early Jewel, Dwarf Stone and Champion, Ponderosa and Matchless	30c.	2.00
TOMATOES , Small Plants, Stone, Paragon, Favorite and Success	20c.	1.00
CABBAGE , full list of leading varieties, 20c. per 100, \$1.00 per 1,000, and for 10,000 and over, 85c. per 1000.		
LETTUCE , Grand Rapids, Big Boston, Boston Market and Tennis Ball, 20c. per 100, \$1.00 per 1000, 10,000 and over at 85c. per 1000.		

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R. VINCENT, JR., & SONS CO.
White Marsh, Md.

LEONARD SEED CO.

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BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

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FLOWER SEEDS Get Our Prices

79 and 81
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RUSH ORDERS!

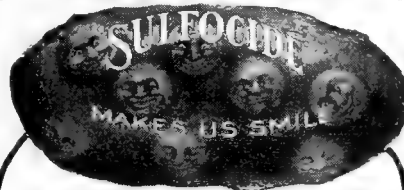
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Price list free on request.

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Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

Primula Chinensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

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K. Belmoreana and Forsteriana at \$5.00 per 1000 Seeds

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of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

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CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

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Blue List of Wholesale Prices mailed only to those who plant for profit.

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FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulas, etc.

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FOR THE
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H. E. Fiske Seed Co.,
Boston, Mass.

DON'T FORGET

to give us a trial on Asters, Mignonne, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.

We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.,** 1215 Betz Bldg., Philadelphia, Pa.

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DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

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DENVER, COLORADO

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63rd street.
Chicago, Ill.—O. J. Friedman, Con-
gress Hotel.
Batavia, N. Y.—Gustav Noack, Ma-
sonic Temple.
Clinton, Iowa.—John Aggen, Teten
Bldg., Sixth street.
Albany, N. Y.—John Travison &
Co., South Pearl street.
Philadelphia, Pa.—George Quinn,
3160 Frankford avenue.
Fort Dodge, Iowa.—The North
Floral Co., South 9th street.
Providence, R. I.—John M. Green,
238 Cranston street, corner Bridgham.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow....May 27

Atlantic Transport.

Minneapolis, N. Y.-London...May 21

Minnetonka, N. Y.-London...May 28

Cunard.

Carpattia, N. Y.-Mediterr'n...May 19

Saxonia, Boston-Liverpool...May 24

Campania, N. Y.-Liverpool...May 25

Carmania, N. Y.-Liverpool...May 28

French.

La Lorraine, N. Y.-Havre...May 26

Hamburg-American.

K. Aug. Vic., N. Y.-Hamburg...May 21

Bluecher, N. Y.-Hamburg...May 25

Deutschland, N. Y.-Hamburg...May 28

Leyland.

Pr'z's Irene, N. Y.-Medit'r'n...May 21

North German Lloyd.

Kr'n'n Cecile, N. Y.-Bremen...May 24

Bohemian, Boston-Liverpool...May 25

Pr'z F'd'h Wil., N. Y.-B'm'n...May 26

Barbarossa, N. Y.-Medit'r'n...May 28

Kronp'z Wil'm, N. Y.-B'm'n...May 31

Red Star.

Lapland, N. Y.-Antwerp...May 21

Kroonland, N. Y.-Antwerp...May 28

White Star.

Celtic, N. Y.-Liverpool...May 21

Cretic, N. Y.-Mediterranean...May 21

Majestic, N. Y.-S'hampton...May 25

Cedric, N. Y.-Liverpool...May 28

Zeeland, Boston-Liverpool...May 31

NEWS NOTES.

Aurora, Ill.—The Aurora Floral Co.
have moved to 3 South Broadway.

Worcester, Mass.—H. F. A. Lange,
florist, has moved to 371-373 Main
street.

New York, N. Y.—Alexander Smith
is the new name for the business for-
merly conducted as Charles Smith &
Sons at the New York Cut Flower
Exchange.

Detroit, Mich.—On Thursday, May
19th John Breitmeyer's Sons turned
their store over to society. All the
tables etc. were loaded down with
cut flowers and society ladies did the
selling using the entire proceeds
towards building a Consumptives'
hospital.

While bringing a load of plants to
Woodmere Mr. Thos. Gowanlock was
struck by a street car and at last re-
port is very low at Grace Hospital.

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Telegraphic orders forwarded to any
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Flowers shipped on all Steamers. Special Corre-
spondents in all the large cities of Europe and the British
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In Brooklyn and other Long Island Points
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BOSTON'S BEST

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Can be relied upon when you transfer your
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BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

NEW ENGLAND**FLOWER DELIVERIES**

Send flower orders for delivery in Boston and all New England postage

THOS. F. GALVIN

124 Tremont St., Boston

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

THE BOSTON CUT FLOWER CO.

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

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Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

In ordering goods please add "I saw it in HORTICULTURE."

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. TALBAY, Wellesley, Mass.

Tel. Wellesley 44-x and 2. Night 44-3.

GEO. A. HEINL, TOLEDO, OHIO**ALL ORDERS PROMPTLY EXECUTED****Florists' Refrigerators**

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

153 Lake Street, Kendallville, Ind.

Mention HORTICULTURE when you write

CHICAGO NOTES.**The Fern Situation.**

The fern situation should lead to better results next year. According to one of the largest dealers the boxes of ferns are either of very good or very bad quality, which leads to the conclusion that the stock is either in good condition when packed or in poor shape. The price has advanced now to \$3.00 per 1000. This refers to old ferns only.

Chicago Orchid Growers.

The orchids used in Chicago have mostly come from the eastern growers, but as these flowers have steadily grown in popularity here, their culture has been attempted by two or three local growers with some degree of success. The Poehlmann Bros. Co. has one house devoted to them and will probably have another next year. Geo. Reinberg was the first to make the venture and Peter Reinberg and J. C. Vaughan are growing a limited quantity this year as an experiment.

Personal and Trade Notes.

A Lange is back in his store after a short illness.

F. C. Morris, Hinsdale florist, is recovering from a severe illness.

The J. A. Budlong Co. has finished planting their 150,000 carnations and have their roses in.

Some unusually fine specimen plants of hydrangeas are making the windows of the retailers very attractive.

The opening of the new flower store with Strail & Hahn as proprietors, was necessarily postponed on account of the decorating till May 18.

The friends of John Degnan were startled Monday by the death notice of some one of like name in the morning papers. But Mr. Degnan is very much alive.

Samuelson is gathering in the peonies for two large decorations in June. He had a particularly beautiful window this week done with rhododendrons and hydrangeas.

Wietor Bros. have finished planting the first half of their carnations in the field. They grow 250,000. Three new houses are now nearing completion and are ready to plant.

Mr. and Mrs. O. P. Bassett left for Detroit, Wednesday, and after spending a few days there will leave for New York and sail for Bremen on the 26th, on the Prince Frederick Wilhelm.

D. D. Johnson has received many encouraging letters from those who are giving the Evergreen fertilizers a trial. Mr. Johnson has tested these fertilizers at most of the Experiment Stations.

Much bedding stock is waiting for suitable weather for planting and the delay is likely to cause a rush at the last. The opinion that there is likely to be a shortage of this stock seems quite general.

While it looks now as if the supply of flowers for Decoration Day would be ample, a shortage may be felt when the time arrives, in which case it is predicted that the demand for blooming plants for bedding will be much greater than usual.

The large silver cup won by the D. D. Joyce Alco at the Floral Auto Parade, was on exhibition at Raske's flower store for several days. Mr.

Raske decorated this machine which won first prize in the class for natural flowers. He used 5000 American Beauties, the large vases on either side holding 500 long-stemmed Beauties.

H. S. Morton, now with E. R. Meserve, Los Angeles, Cal., will be home in a few weeks, for a visit and expects to take his mother back with him. The Mortons are a family of florists, the mother, Mrs. Eleanor Morton, being the first to start; Chas. E. Morton and H. S. Morton, her sons, followed and Mrs. Breaky and Mrs. Spencer, her daughters, are also florists.

Many favorable comments were heard upon the simple and effective decorations of the Auditorium stage at the memorial meeting for King Edward VII, on Sunday. A row of palms bordered the aisle on either side and ropes of smilax were gracefully but simply draped at the back of the stage below the Stars and Stripes and the Union Jack, which hung side by side. Smilax also was hung from the front of the flooring of the stage. There was just enough decoration to befit the occasion.

Our manufacturers of flower pots are having similar experiences of a serious nature. H. T. Klipfel scratched his finger five weeks ago and the wound was so slight he did not even know when it occurred. A few days later blood poisoning developed and Mr. Klipfel was taken to the hospital and his case was for some time considered a very serious one. G. Kellar, of the Kellar Bros., injured the ends of his fingers about the same time and with much the same result. Both men are now recovering after having lost several weeks at a very busy time.

Visitors—W. van Kleef, Boskoop, Holland; W. F. Duntemann, Bensonville, Ill.; A. Londenberg, Valparaiso, Ind.; H. A. Fischer, Kalamazoo, Mich.; E. Amerpohl, Janesville, Wis.; C. A. Brazee, Los Angeles, Cal.

"FLOWERS BY TELEGRAPH."**Leading Retail Florists Listed by Towns for Ready Reference.**

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edward MacMuklin, 194 Boylston St.

Boston—Hoffman, Florist, 59-61 Massachusetts Ave.

Boston—Julius A. Zinn, 2 Beacon St.

Boston—The Boston Cut Flower Co., 14 Bromfield St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 1071 Broadway.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2130-2141 Broadway.

New York—Alex. McConnell, 571 Fifth Ave.

New York—Young & Nugent, 42 W. 28th St.

New York—M. A. Bowe, 1294 Broadway.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

Toledo, Ohio—George A. Heinl.

Toronto, Can.—J. H. Dunlop, 86 Young St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talbay.

PEONIES

A large supply of all the best and leading varieties.

ROSES

We offer the best value in roses that you can get anywhere.

Carnations and all Seasonable Stock

We will have in quantities large enough to meet all demands.

NEW CROP DAGGER FERNS**LEO NIESSEN CO.****WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality. Any Quantity

\$10.00 per 100

BLUE CORNFLOWER, \$1.00 per 100

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ransdell St., Philadelphia**CUT FLOWER BOXES****EDWARDS FOLDING BOX CO.**
MANUFACTURERS
PHILADELPHIA, PA.**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers**PETER REINBERG****WHOLESALE****CUT FLOWERS**

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw
HORTICULTURE."**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

	CHICAGO May 17	TWIN CITIES May 17	PHILA. May 17	BOSTON May 19
ROSES				
Am. Beauty, Fancy and Special...	20.00 to 30.00	30.00 to 35.00	15.00 to 20.00	18.00 to 25.00
Extra	15.00 to 20.00	20.00 to 30.00	10.00 to 15.00	12.00 to 15.00
No. 1	10.00 to 15.00	15.00 to 20.00	8.00 to 10.00	8.00 to 10.00
Lower grades	5.00 to 10.00	10.00 to 15.00	4.00 to 6.00	3.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.	5.00 to 8.00	6.00 to 8.00	8.00 to 10.00	5.00 to 8.00
Lower grades	3.00 to 5.00	3.00 to 6.00	3.00 to 6.00	1.00 to 2.00
Killarney, My Maryland, Fan. & Sp.	5.00 to 8.00	8.00 to 10.00	8.00 to 10.00	6.00 to 10.00
Lower grades	3.00 to 5.00	5.00 to 8.00	3.00 to 6.00	1.00 to 2.00
Richmond, Fancy & Special	5.00 to 8.00	6.00 to 8.00	12.00 to 15.00	5.00 to 8.00
Lower grades	5.00 to 5.00	4.00 to 6.00	3.00 to 8.00	1.00 to 2.00
CARNATIONS, Nov. and Fan. Ordinary				
	2.50 to 3.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	50.00 to 60.00	40.00 to 50.00	40.00 to 50.00
Lilies	10.00 to 12.00	10.00 to 12.50	8.00 to 12.50	8.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	1.00 to 3.00
Daffodils .....	..... to .....	..... to .....	..... to	1.00 to 1.50
Tulips .....	..... to .....	..... to .....	..... to	1.00 to 1.50
Daises .....	.50 to 1.00	.75 to 1.25	1.00 to 1.50	.50 to 1.00
Snopdragon	3.00 to 5.00	6.00 to 8.00	3.00 to 12.50	2.00 to 4.00
Peonies	4.00 to 8.00	..... to	4.00 to 6.00	4.00 to 8.00
Mignonette	2.00 to 4.00	4.00 to 5.00	1.00 to 3.00	.75 to 2.00
Sweet Peas .....	.75 to 2.00	1.00 to 2.00	.50 to 1.00	.25 to 1.00
Gardenias	20.00 to 25.00	20.00 to 30.00	5.00 to 25.00	8.00 to 12.00
Adiantum .....	..... to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	12.00 to 15.00	15.00 to 25.00	12.00 to 16.00
Asparagus Plumosus, strings (100) ..	50.00 to 60.00	45.00 to 60.00	35.00 to 50.00	..... to 50.00
" & Spreng. (100 bchs.) ..	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 50.00

WELCH BROS.AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS**BEST PRODUCED**

226 Devonshire Street,

Boston, Mass.

The J. M. McCullough's Sons Co.**WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. :: :: Price lists on application.

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Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers**ALWAYS GOOD,
FRESH STOCK.**

Long Distance Phone Randolph 2758. Telegraph, Telephone or, We Grow Our Own Flowers. Bring in Your Orders. Roses and Carnations Our Specialty

BUSINESS CHANGES.

Buena, N. J.—E. R. Raimbault has taken a partner in business and the firm name is now Raimbault & Bruzeand.

Dallas, Ore.—D. L. Thomas, formerly a florist at Salem, Ore., has moved his business to this city.

Alton, Ill.—The Alton Floral Co. has purchased of the Park Commissioners the greenhouses belonging to the city, located at Hot Springs Park.

FIRE RECORD.

Louisville, Ky.—The florist shop of H. G. Walker, 632-634 Fourth avenue, was damaged by fire to the extent of about \$500; believed to be of incendiary origin.

Washington, D. C.—It is reported that John Robertson is again preparing to move his store at 1510 H street, as changes are to be made in the building.

Flower Market Reports.

BOSTON In a general way it may be said without fear of contradiction that business is on the dull side at present writing. There have been times during the past few days when it has been exasperatingly quiet and when the dealer has been sorely puzzled as to how to find an outlet for a stock of no more than normal proportions and there is a feeling that should the prevailing cool weather, which has kept vegetation nearly at a standstill, give way to a period of high temperature the effect would be nothing short of disastrous at the present time. Everyone, of course, is speculating and guessing as to the Memorial Day outlook and many with "the wish father to the thought," have no difficulty in seeing a veritable famine ahead, which will put a premium on every available flower and bring about a little reminder of the good old times. The facts at time of writing, though, are that buyers are very particular and are not disposed to accept any but high-class goods, while the lower grades simply "go a' begging." This is especially true as to carnations. Roses are very plentiful and there is no prospect of scarcity ahead. Orchids, gardenias and lily of the valley are sluggish and will require the revivifying impulse from the bridal activities of June before they get back into line. It now looks as though the market would be well supplied with peonies for Memorial Day—something which rarely happens.

BUFFALO The weather has warmed up somewhat and stock is coming in more abundantly, especially carnations, which have not been overplentiful, and some excellent stock is still had, with prices holding well for the season of year. There are plenty of roses, with a good supply of White Killarney, which has been very popular with the trade this season and at times preferred to Bride or Kaiserin. Maryland and Pink Killarney are fine, as well as Kaiserin, Bridesmaid, cannot, Bride and Richmond, there having been good demand for the latter. Peas and lily of the valley, also daisies and lilies, have had a good call. Some excellent outdoor tulips, lilies, etc., are had and have sold readily. Greens are in better supply.

CHICAGO Business was very good during the week ending May 14th, and the closing days found stock pretty well cleaned up. Sunday and Monday found a good quality of stock and plenty of buyers, but Tuesday a cold rain turned the tide and a depression followed. The demand for flowers during the busy days was pretty evenly divided between carnations and roses and in most instances florists report the sales of colored flowers were in the lead. Peonies are not coming in as fast as had been expected. A few tulips is the only outdoor stock seen, but some snowballs are likely to be ready for Decoration Day. Roses are selling readily in the short-stemmed cuts, but the long ones go last. There has been no increase in the amount of mis-

(Reports continued on page 797)



BOXWOOD One of the P. M. Introductions FOR MEMORIAL DAY

The best lot we ever had to offer our customers, good, hard, dark, glossy green sprays, no chance to wilt, as all this stock was gathered before the spring growth started, put up in 50-lb. crates, at \$7 50 per crate.

CEDAR BARK.

Have you plenty of Cedar Bark? Bundles of about 25 square feet, \$1.00 each. Special price in quantity.



BOXWOODS, pot grown, imported stock, nice thrifty plants for window boxes and similar purposes, or for planting out, 35c, 75c, \$2.50 each.

DAGGER FERNS, new crop, northern grown, far superior to the staple southern stock, clean, fresh, perfect, put up in neat uniform packages of fifty, well worth a dollar per thousand more than any fern on the market. \$3.00 per 1000.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW STREET, PHILADELPHIA, PA.
1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURGH	
	May 17		May 17		May 17		May 17	
ROSES								
Am. Beauty, Fan, and Sp.....	15.00	to 20.00	22.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	10.00	to 15.00	19.00	to 21.00	15.00	to 20.00	10.00	to 15.00
" No. 1.....	8.00	to 10.00	15.00	to 18.00	8.00	to 10.00	6.00	to 8.00
" Lower grades.....	3.00	to 6.00	3.00	to 10.00	2.00	to 4.00	2.00	to 4.00
Bride, 'Maid, Chatenay, F. & S.....	4.00	to 6.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
" Low. gr.....	2.00	to 4.00	4.00	to 8.00	2.00	to 8.00	2.00	to 4.00
Killarney, My Maryland, Fan. & Sp	4.00	to 6.00	3.00	to 10.00	8.00	to 10.00	8.00	to 12.00
" Lower grades.....	2.00	to 4.00	4.00	to 8.00	2.00	to 8.00	3.00	to 6.00
Richmond, Fancy & Special.....	4.00	to 6.00	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00
" Lower grades.....	2.00	to 4.00	3.00	to 8.00	2.00	to 8.00	3.00	to 6.00
CARNATIONS, Novelties and Fancy								
" Ordinary	2.00	to 3.00	2.00	to 3.00	.....	to 3.00	2.50	to 4.00
" Ordinary	1.00	to 1.50	1.50	to 2.00	1.50	to 2.50	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	.....	to	60.00	to 75.00	50.00	to 75.00	50.00	to 75.00
Lilies.....	6.00	to 12.50	12.50	to 15.00	8.00	to 12.00	.....	to 10.00
Lily of the Valley.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Daffodils.....	.....	to	3.00	to .....	.....	to .....	.....	to
Tulips.....	.....	to	3.00	to	1.50	to 2.50	.....	to
Daisies.....	.....	to .25	.75	to 1.50	1.00	to 2.00	1.00	to 1.50
Snappedragon.....	4.00	to 8.00	2.00	to 6.00	5.00	to 8.00	4.00	to 10.00
Peonies.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Mignonette.....	.....	to	3.00	to 6.00	2.00	to 3.00	1.50	to 3.00
Sweet Peas.....	.25	to .75	.50	to 1.00	.50	to 1.00	.50	to 1.00
Gardenias.....	1.00	to 2.00	80.00	to 25.00	15.00	to 20.00	.....	to
Adiantum.....	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	1.25	to 15.00	15.00	to	15.00	to 20.00	.....	to 20.00
Asparagus Plumosus, strings (100)	25.00	to	30.00	to 50.00	50.00	to 60.00	37.00	to 40.00
" " & Spen. (100 bchs.)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	30.00	to 40.00

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Successor to
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FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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We manufacture all our
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A full line of Choice Cut Flower Stock for all purposes. Comprises every variety
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

PHILIP F. KESSLER 55 & 57 W. 26th St., New York City
Open from 5 a. m. to 6 p. m. Sunday
till 10 a. m. **CUT FLOWERS**
Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending May 14 1910		First Half of Week beginning May 16 1910	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 20.00
" " Extra.....	8.00	to 12.00	8.00	to 12.00
" " No. 1.....	5.00	to 6.00	5.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Bride, 'Aid, Golden Gate, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.90	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 8.00	3.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.10	to 2.00
Richmond, Fancy and Special.....	6.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
My Maryland.....	1.00	to 8.00	1.00	to 8.00
Carnations, Fancy and Novelties.....	2.00	to 3.00	2.00	to 3.00
" Ordinary.....	1.00	to 2.00	1.00	to 1.50

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
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Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
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Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
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NOVELTIES**
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Lat-
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1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

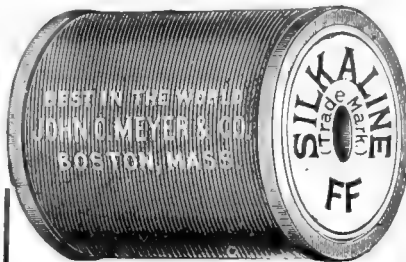
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SOUTHERN WILD SMILAX

Now ready in limited quantity.

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EVERGREEN, ALABAMA.



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Take No Other.

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NEW YORK

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A. L. YOUNG & CO.

RECEIVERS & SHIP-
PERS OF CUT
FLOWERS.

CONSIGNMENTS SOLICITED.

Flower Market Reports

(Continued from page 795)

cellaneous stock and the inference is that it is being held back for the holiday at hand. The lack of gladioli was particularly noticeable. Many of the wholesale florists express themselves as now certain that the supply of peonies will fall far short of an average crop owing to the frost. Very few are being put in cold storage as the number arriving are hardly adequate to supply present needs. An unusual number of advance orders are in for Decoration Day showing the probabilities of a shortage.

The outlook for a large DETROIT Decoration Day trade is very good, but it will be difficult to handle. Several severe frosts during last week have retarded planting out and spoiled a good many outdoor flowers which were always great helps in making up the cheaper class of bouquets.

The wholesale trade NEW YORK here are vehement and unanimous in their denunciation of prevailing conditions in the cut flower trade, which the old-timers pronounce to be the worst on record for this date. There can be no question that a surplus far beyond the digestive power of this market stands hopelessly in the way of anything like a revival of former trade opportunities and it is not easy to see how any such longed-for good fortune can come to the flower trade. Outdoor material is having its innings and helps to make the road a rough one for the indoor-grown goods. The lilacs are almost over already, but peonies are following closely on their heels and there will be enough and to spare of such things for Memorial Day in all probability. Strong figures are being quoted for some desirable things, notably for carnations. The dearth of wedding festivities in May always makes trouble for the orchids and choice white material, the expected influx of Southern outdoor grown gardenias also making the outlook for the hot-house product rather dubious, while garden lily of the valley is having a similar effect on its kind from under glass. Of roses there are loads and loads—enough for everybody without touching the culls.

FLOWER CROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. WHOLESALE FLOWERS ONLY.

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106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 14 1910		First Half of Week beginning May 16 1910	
Cattleyas.....	35.00	to 60.00	35.00	to 60.00
Lilies.....	2.00	to 5.00	2.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Peonies.....	4.00	to 6.00	4.00	to 6.00
Alphonette.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas (per 100 bchs).....	4.00	to 6.00	4.00	to 6.00
Gardenias.....	3.00	to 12.00	3.00	to 10.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Spran. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

Flower market PHILADELPHIA conditions here may be tersely

summed up in a few words—they were good on Friday and Saturday, but very bad the rest of the week. American Beauty roses sold out well, but at only moderate figures. The shipments of these have slackened up considerably—the cool weather having had its effect on them, as on everything else. Richmond and Liberty roses did not sell quite so freely—red peonies seemed to be preferred by many people as a change. White and pink roses were in very good demand—white especially. The latter were largely used by young people in church processions which are usual at this time of year in some denominations. To many of the florists near these churches such events are as profitable and of as much importance as Christmas or Easter. Carnation prices are not high, but the stock moves off all right. The quality continues fine. Winsor, Beacon, White Perfection, and Bountiful, lead as to varieties. There are enough orchids to go around and a few over. Prices have dropped a little. Cattleya Mossiae and Dendrobium Jamesianum, are the most conspicuous varieties. The gardenia market still continues sluggish and overstocked. Fine, long-stemmed, sweet peas are coming in and meet with good sale. Lily of the valley fine and selling well. Home-

grown peonies are just beginning to show up, and they are certainly splendid this year—hard, well developed flowers, of fine substance, and splendid foliage. Other outdoor items, such as iris, weigela, deutzia, viburnum, etc., are also prominent and having their effect on the market; but they will not last very long. Another week will about wind them up. Some splendid dagger ferns are arriving from northern points—clean, fresh and perfect; far superior to the southern stock that has been the staple until lately. There is a good demand for boxwood for Memorial Day work—this material being now much used for wreaths and crosses. Smilax is still scarce. Plenty of plumosus and sprengrl.

Kansas City, Mo.—The firm name of the W. H. Humfeld Floral Co., which, Aug. 1, will move into a new store at 1010 E. 31st street, will be changed to Humfeld-Orear Floral Co. Leon Orear will be half owner in this new firm. They intend to build greenhouses to connect with the rear of the store and have rented a large piece of ground north of the store in which to plant their summer stock.

SOUTHERN WILD SMILAX
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LOUISVILLE FLORAL CO.
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Achillea The Pearl, 2-in., 2½c. W. E. Trimble Greenhouse Co., Princeton, Ill.

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Ageratum Little Blue Star, 2-in., 2c.; R. C., \$4.00 per 1000. W. E. Trimble Greenhouse Co., Princeton, Ill.

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A. Nana (yellow)..... .50 4.00
Brilliantissima (best red)... .60 5.00
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Asparagus Sprengerii, 2½ inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 and Plumosus, \$25.00 per 1000. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

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Hardy and tender Nymphaeas, all classes. Choice assortment of aquatic plants, eulalias, etc. Prices on application. Edw. S. Schmid, 712 12 St. N. W., Washington, D. C.

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Zinnias from 2 inch pots \$1.00 per 100. Madam Sallerol Geraniums from 2½ inch pots \$3.00 per 100. J. B. Shurtleff, Cushman Ave., Revere, Mass.

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Bedding Plants. Geraniums in bud and bloom, Nutt, Trego, La Favorite, Viand, Jaulin, Poltevine, 3½ in., \$8.00 per 100; Heliotropes, 3½ in., \$6.00 per 100; Fuchsias, best market varieties, including Little Beauty, 2 and 3½ in., \$2.50 and \$6.00 per 100; Sallerol Geraniums, Abutilon Savitzii, Parlor Ivy, White Marguerite Daisies, 3 in., \$5.00 per 100; Begonia Semperflorens, Vernon, Erford, Vesuvius, Ageratum Gurney, 3 in., \$4.00 per 100; Verbenas, Dusty Miller, Blue Lobelias, Achyrantes Lindenli, 2½ in., \$2.50 per 100; Alternantheras, red and yellow, 2 in., \$2.00 per 100; Hardy blue Forget-me-nots, heavy clumps, \$2.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

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Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

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Wm. Swayne, Box 215, Kennet Sq., Pa.

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CHRYSANTHEMUMS—Continued

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C. Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Gloria, 100 \$2.50; Pres. Taft, Mrs. W. E. Kellogg, 100 \$3.00; Golden Glow, Pacific Supreme, White Cloud, 100 \$1.25. Rooted cuttings prepaid. Gloria, 2½ in., \$3.00 Chas. Frost, Kenilworth, N. J.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

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Dracaena Indivisa, 6 in. pots, \$4.00; 5 in., \$3.00 per dozen. Strong plants. Vinca Variegata, 4 in. pots, \$1.50 per dozen; \$10.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

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Frank Oechslein, 4911 Quincy Street, Chicago. Ferns for Dishes.

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Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Miss A. Washington, Alvin, Texas. Cape Jessamines.

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Geraniums. Ricard, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

John McKenzie, North Cambridge, Mass. Thousands of Geraniums, mixed, all double; 2½-in., \$2.50 per 100; 3-in., \$4.00 per 100. Mme. Sallerol, out of 2-inch, fine plants, \$2.00 per 100. Verbenas, out of 2-inch, separate colors or mixed, \$2.00 per 100. Seedling Verbenas, five separate colors, or mixed, \$10.00 per 1000. Geraniums in 4-inch pots, \$8.00 per 100. H. J. Blanchard, Ashburnham, Mass.

Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbirner, 6417 Carnegie Ave., Cleveland, O.

Geraniums. rooted cuttings of Ricard, Poitevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

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Gladioli. Brencleyensis and Buchanan, first and second sizes, also planting stock at special prices. Also other varieties and strains. Contracts made for fall delivery. My soil, climate and method are well adapted to the production of mature sound stock.

John H. Umpleby, Lake View, N. Y.

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

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- Metropolitan Material Co., 1892-1402 Metropolitan Ave., Brooklyn, N. Y.**
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- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.**
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- Hitchings & Co., 1170 Broadway, N. Y.**
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- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.**

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- Crowl Fern Co., Millington, Mass.**
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HARDY VINES AND CLIMBERS

- Henry A. Dreer, Philadelphia, Pa.**

HELIOTROPES.

- Heliotrope R. C., prepaid, 75c. per 100.**
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C. Betscher, Canal Dover, O.

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- Home Correspondence School, Springfield, Mass. Dept. 8.**
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- Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.**

- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.**
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- Arthur T. Boddington New York, N. Y.**
Oncidium Importation.
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- Orchids—largest stock in the country. Stove plants and Crotons, finest collection.**
Julius Roehrs Co., Rutherford, N. J.

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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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PANSY PLANTS.

Ready now. 250,000 fine large fall transplanted Pansies in bud and bloom. Superb strain, the finest market strain grown. A trial order will convince you that these are the best you ever had. You need them for your particular trade. Price, \$1.25 per 100; \$10.00 per 1000. Cash with order. Leonard Cousins, Jr., Concord Junction, Mass. Telephone 82 Concord.

Pansy plants, Kenilworth strain, 100 prepaid \$1.00; by express 1000 \$8.00. Extra large, 1000 \$15.00. Chas. Frost, Kenilworth, N. J.

Pansy plants—choice, fancy, large plants in bud and flower, \$8.00 per 1000. Union Gardens, Amherst, Mass.

L. W. Goodell, Dwight, Mass.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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Foley Mfg. Co., Chicago.

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PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfeld, West Point, Neb.

PETUNIAS

B. Vincent, Jr. & Sons Co., White Marsh, Maryland.

Double Petunias.

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PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan E. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHOTOGRAPHS: DESIGNING: ILLUSTRATING

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Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

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Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

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Ellwanger & Barry, Rochester, N. Y.

Blue Rambler Rose.

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J. Wm. Colflesh, Philadelphia, Pa.

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Roses, from 2½ inch pots, fine stock. The following varieties at \$3.00 per hundred, \$25.00 per thousand, 25 plants of a kind at the hundred rate, 250 at the thousand rate:

Agrippina	Bride
Bridesmaid	Bon Silene
Clothilde Soupert	Coq. de Lyon
Catharine Mermet	Crimson Rambler
Golden Gate	Mrs. Ben. R. Cant
Mad. Abel Chatenay	Mad. Joseph Schwartz
Mlle. F. Kruger	Safrano
White Bougere	

The following varieties at \$3.00 per hundred, \$27.50 per thousand:

Antoine Revore	Climbing Kaiserin	
Cl. Meteor	Cl. Malmalson	
Etoile de Lyon	Gross an Tepitz	
Helen Gould	Hermosa	
La France	Maman Cochet	
Mad. de Watteville	Md. Welche	
Pink Cochet	Papa Gontier	
Souv. de la Malmalson	White Cochet	
The following at prices named:		
Bumenschmidt	.....	\$3.00
Climbing Killarney	.....	4.00
Climbing Perle des Jardins	.....	3.00
Dinsmore	.....	3.00
Helen Good	.....	3.00
Kaiserin Augusta Victoria	.....	3.00
Killarney	.....	3.50
Margaret Dickson	.....	3.50
Mrs. John Laing	.....	3.50
Mad. Masson	.....	3.00
Mad. Chas. Wood	.....	3.00
Marchal Niel	.....	3.00
Perle des Jardins	.....	3.00
Rhea Reid	.....	3.50
Souv. de Pres. Carnot	.....	3.00
Wellesley	.....	3.00
Wm. R. Smith	.....	3.00

The Good & Reese Co. Largest Rose Growers in the World, Springfield, Ohio.

The Rose by H. B. Ellwanger, mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

RUBBER PLANTS

Young Rubber Plants, 2½ in. pots, \$15.00 per 100. Order early, limited quantity. Bobbink & Atkins, Rutherford, N. J.

SEED GROWERS

Hjalmar Hartmann & Co. Cauliflower and Cabbage Seed. Langgstraede 20, Copenhagen, Denmark. For page see List of Advertisers.

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Smilax seedlings, 50c. per 100; \$4.00 per 1000; 3-in., 4c. W. E. Trimble Greenhouse Co., Princeton, Ill.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.

Deming Spray Pump.

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STEVIA

Stevia rooted cuttings, 75c per 100 prepaid. Chas. Frost, Kenilworth, N. J.

STOCKS

Ten-weeks' stocks, white, dark blue, crimson, 2½-in., \$2.00 per 100.

P. Pearson, 1725 N. Campbell Ave., Chicago.

STROKUM TREE BINDING

George Stratford Oakum Co.,

Jersey City, N. J.

In writing to Advertisers kindly mention Horticulture

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W. F. Allen, Salisbury, Md.
Cabbage Plants.

A large stock of sweet potato plants
now ready. Yellow Nansemond, Big Stem
Jersey and Early Golden, \$1.25, 1000;
\$10.00, 10,000. H. Austin Co., Felton, Del.

VENTILATING APPARATUS

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VENTILATING MACHINERY. New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VERBENAS

Verbenas, mixed, 2½-in., 2c. W. E.
Trimble Greenhouse Co., Princeton, Ill.

VINCAS

Vincas, green and variegata; rooted cut-
tings, 1c.; \$9.00 per 1000. Genista R. C.,
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Water Hyacinths, \$2.00 per 100; \$15.00
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Wirework. Write for our catalogue.
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William E. Heilscher's Wire Works, 38-40
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Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
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Little Ads Bring Big Returns

Little ads in our Classified Columns
bring big returns to both advertiser
and purchaser.

Anything that can be sold to florists,
gardeners, park and cemetery superin-
tendents, etc., can be sold through this
medium in this department, and at
very small cost.


Don't fail to read them each issue, for
you will find one or more that will
prove profitable to you.

They Cost Only One Cent a Word Undisplayed

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Look in the " Buyers' Directory" of this issue and you will probably find represented there somebody who can supply you. It's a good plan to look it over every week, for the weekly changes and additions are many.

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WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1002, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

WANTED—At once, a young man for general greenhouse work; must be a good willing worker; state wages expected. F. M. Olm, Bath, Maine.

WANTED—An assistant foreman in rose and carnation houses. \$70.00 per month. Y. Y., care HORTICULTURE.

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WANTED—Position as a gardener and general superintendent on estate. Seven years in last position. Highest references. W. B. Jackson, care HORTICULTURE, 11 Hamilton Place, Boston.

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FOR SALE—A well established money-making up-to-date wholesale commission company in Denver, Colo., dealing in Cut-flowers and Florists' Supplies. No competition. Only small amount of cash required.

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Greenhouse plant for sale, 20 miles from Boston. 4 acres A-1 land in centre of village, frontage on two streets, plenty fruit. Greenhouse 150 x 30 ft., built less than two years. 16 x 24 glass Furman boiler. Good barn, unfailing water supply pumped by gasoline engine. If sold at once will take \$2800. 1-2 down, price is less than cost of buildings. This is one of the best greenhouse locations in Middlesex County. Howard C. Burr, South Sudbury, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE Two thousand lights, 16x24, double thick glass, 20 lights per box. 10c. per light. F. O. B. Littleton. Frank M. Richardson, Littleton, N. H.

FOR RENT

FOR RENT 27,000 ft. of glass in 2nd condition and eight acres of land near Pittsburgh, Pa. Write at once if you mean business. Address C. K. cat HOB HORTICULTURE, Boston, Mass.

WINTER DECORATIVE SHRUBS.

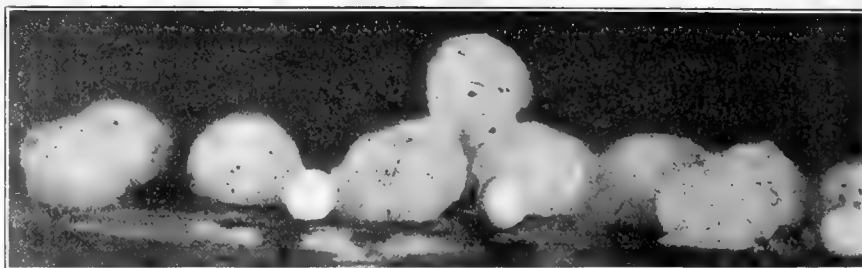
Abstract of a paper read by George V. Nash at the January meeting of the Horticultural Society of New York.

People are inclined to think that when winter comes all is over in the line of decorative shrubs, but this is far from true. Each season has its shrubs—Forsythias and spiraeas in April and May—Roses and Rhododendrons in June with others for July and August—and then the gorgeous tints of our autumn foliage. Winter, too, has its charming shrubs, and while not as numerous as for the rest of the year, they are perhaps even more attractive, for they come at a time when all is grey and black, and when every little that brings to memory the greenness and brightness of summer is welcome. These winter shrubs of course cannot attract by their flowers, but there are other features which make them a delight to the eye, and these must be sought in the color of the bark, the beauty of the evergreen foliage, or in the brightness of their persistent fruit.

As examples of the first group, in which the color of the bark is the attractive character, *Kerria japonica* with its bright green twigs was referred to, *Cornus alba sibirica* and *Cornus stolonifera*, both with dark red bark, and the yellow-stemmed form of the latter, known as variety *flaviramea*. This variety is of a bright yellow and seems to carry a bit of the sunshine into the snowbanks.

The plants with evergreen foliage comprise two groups, those known as conifers and the others as broad-leaved evergreens. The dwarf forms of *retinisporas*, cedars, pines, and *thujas* are admirable subjects for winter decoration, being especially attractive when snow-laden. *Rhododendrons*, *mahonias*, *Leucothoe Catesbaei*, and especially *Ilex crenata*, with its thick dark-green leaves and graceful habit, were cited as examples of desirable broad-leaved evergreens.

Among the shrubs desirable on account of their persistent fruit were: *Aronia arbutifolia*, commonly known as *Pyrus arbutifolia*; *Rosa multiflora*, with its myriad of red fruits; *Ilex opaca*, attractive also for its foliage, in addition to its bright red berries; *Ilex verticillata*, and its Japanese relative, *Ilex serrata*, both with red fruit; *Symphoricarpos vulgaris*, the coral-berry, festooned with thousands of dark red berries which persist until nearly spring time; and last but not least the Japanese barberry, *Berberis Thunbergii*, which, if one were restricted to a single shrub, was perhaps best of all—possessing attractive features at all seasons of the year, yellow with its flowers in the early part of the season, clothed in an attractive green during the summer, decorative during the fall with its charming garb of color, and then its chief charm reserved for the winter months, when all is cold and grey, its bright red berries, borne in great profusion and retaining their color and plumpness until late in the spring, adding a glow of warmth to the bleakness around.



Hailstones Which Fell at Hillsboro, Ill., April 15, 1910. Note the Size as Compared with Hen's Eggs Shown in Picture.

PHILADELPHIA NOTES.

Chas. Sim, landscape gardener and contractor, Rosemont, will start on a trip for Europe shortly.

A new retail store has been opened at 3160 Frankford avenue by George Quinn, late of Camden, N. J.

Louis Burk, the orchid enthusiast, accompanied by his wife and daughter, will attend the orchid show in Boston.

W. E. McKissick and Bros. seem to have almost a monopoly of good blue centaurea the past two weeks, and have had a great run on same.

W. F. Bassett of Hammonton sent up a lot of *Xerophyllum* blooms recently which excited some favorable comment. The flowers are white but Charles E. Meehan stuck to his name of "Red Hot Poker"—he claimed the poker was at white heat—that was all.

A. Zirkman, of M. Rice & Co., has just returned from a very successful tour through New York state. Robert Schuck, of the same firm, has just started on a trip. Painters and polishers are busy primping up the Rice store preparatory for the new season's campaign.

One fine spring morning, years ago, the bard of Wingohocking sang praises to the Irish National Bird (the stork):

"When first to my poor roof he came,
How sweetly he was sung to!
I called him every dacent name
That I could lay my tongue to."

But after a few years the poet had to add a postscript, which ran something like this:

"But glory be! that praise from me
So pleased the simple crayture,
His visits here have come to be
A sort of second nature.
I'm glad to see him now and then.
But, glory be to Heaven!
If here he isn't back again
And this is number seven."

We commend these lines of Tom Daly's to our good friends the Faulkners with whom we all rejoice.

Visitors last week: The Stork—also Chas. H. Netsch, Buffalo, and F. J. Clark, Trenton.

AN INSECTICIDE FOR THE ORCHID HOUSE.

C. H. Totty of Madison, N. J., asserts that scale on *Cattleyas* and *Calanthes* treated with Aphine were annihilated, also that the ants working in the pots of *Calanthe* were also killed instantly, showing that florists in ant-infested sections will find this preparation a cheap and safe remedy to use for their removal.

PEACH LEAF CURL.

If this disease is on your trees it will soon become evident in the unfolding peach leaves. You should watch the leaves carefully for the next two or three weeks to determine how effective your spraying has been for its control. Remember that the effectiveness of the spray will depend largely upon two factors, first, whether it was applied before the buds begin to swell, and second, whether it was thoroughly done. Be slow to lay failure to the mixture used. It has been demonstrated beyond a question that Lime Sulfur, Bordeaux mixture, or Copper Sulphate will effectually control this disease. It is of course, too late to spray for the disease now, but with a careful examination of your trees, and a study of the disease in the light of your spraying operations of this year, should help you to more satisfactorily handle the proposition next year. Bulletin 276 on Peach Leaf Curl and its Control, is now ready for distribution. This bulletin gives a careful description of the disease and the habits of the fungus which causes it, together with the most modern methods of controlling the malady. You will be interested in comparing the data in this bulletin with the results which you have gotten on this disease. Full directions are given for the preparation of Lime Sulfur solutions, Bordeaux mixtures, etc., for the control of the Curl. This bulletin is free to growers in the State of New York. Drop a card to us at once, asking for a copy of the bulletin. If you do not get it upon first request write again. Your name will go on our list for further bulletins along the line of plant diseases. Address, H. H. WHETZEL, Pathologist, N. Y. State College of Agriculture, Ithaca, N. Y.

WHEN TO STOP ADVERTISING.

When buyers forget to forget—when competition ceases to compete; when every actual and prospective customer has been convinced that your product is the best of its kind and nothing better can be produced, then, and only then, will it be safe to get along without advertising.—Baker's Helper.

Until that time comes, HORTICULTURE can take care of your interests. If you want to sell to the best buyers in any branch of horticultural industry HORTICULTURE is unquestionably in the front rank as an advertising medium.

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Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

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56 lb. \$3.25

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EVERGREEN BRAND FLOWER FERTILIZER

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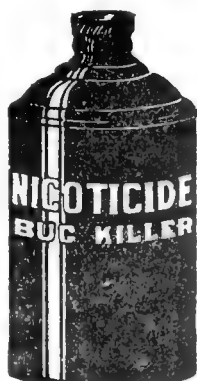
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**A. H. HEWS & CO., Inc.
CAMBRIDGE, MASS.**
**452-460 No. Branch St.,
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HOME IMPROVEMENT AT SYRACUSE, N. Y.

Last year the Chamber of Commerce inaugurated the plan of offering money prizes to the occupants of small houses for the best kept lawns and surroundings, and general appearance of the place from June 1st to Oct. 1st. It was a great success, many entering the contest and the influence was so marked and so much good accomplished, that this year the prize list is greatly enlarged and is as follows: Three first prizes of twenty dollars, three second prizes of ten dollars and seven third prizes of five dollars in each class. Class A is for homes assessed at \$800 or less, class B for homes assessed at \$800 to \$1,200, and class C for homes assessed at \$1,200 to \$2,000.

The judges will consider appearances throughout the season, care taken, and the freedom of back yards from rubbish and unsightly buildings.

The committee is composed of Prof. J. A. Shea, chairman, W. P. Baker, P. A. Burton, G. H. Clark and E. M. Kotz. To Prof. Shea must be given the credit of starting the movement, he has done a great work, improving the homes in the neighborhood of Lincoln School, of which he is principal.

The Pierce Arrow Motor Car Co., of Buffalo, N. Y., are building new shops in that city, and are installing window-opening machinery throughout. The interesting part of this to the average grower is the comparison of the number of ventilator machines, fittings, etc., that go into this job, and in the ordinary sized greenhouse. There are 1490 sash that ventilate in this new automobile plant and it requires 2980 arms and rods, and 135 machines to operate them. One inch and 1 1/4-inch shafting is used throughout and, to support this shafting, 1940 hangers are required. A special gear box and driving device were designed for this job, but with a view toward greenhouse needs, however, and it has been suggested that we may see some of this new vent machinery in the mammoth houses of glass which the King Construction Company are building.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Beautiful Clear Crystal Glass, heavy to stand hard usage, 4 1/4 inch diameter and 9 inch deep. Each 20 cents, \$1.40 dozen, 5 dozen (1 bar.el) \$6.25. White Enamel Lawn or Cemetery Vase. Made of heavy Tin Sheetting, Enamelled White.

No. 1—4 1/4 x 6 1/4 inches. 20 cents each, \$2.00 per dozen
No. 2—3 3/4 x 6 1/4 " 15 " 1.60 per dozen

E. H. Hunt, 76-78 Wabash Avenue, Chicago

GREENHOUSES BUILDING OR CONTEMPLATED.

Hudson, Mich.—R. J. Peterson, addition.

Baldwin, L. I., N. Y.—M. Matheron, one house.

Hinsdale, Ill.—Willard Edward, range of houses.

Maywood, Ill.—Walter Burhop, house 29 x 200 feet.

Wampum, Pa.—J. S. Hennon & Sons, house 200 feet long.

Johnstown, Pa.—Traugott Malbranc, addition this summer.

Haverhill, Mass.—Charles B. Gould, Winona avenue, one house.

Grand Junction, Colo.—Piatt Bros., three houses, each 28 x 120 feet.

Denver, Colo.—Curtis Park Floral Co. will rebuild its entire range.

Fulton, Ill.—John Aggen, Walnut street, two houses this summer.

Angola, Ind.—Henry Johnson, house 28 x 30 feet, with cement benches.

White Marsh, Md.—R. Vincent, Jr., & Sons Co., range of geranium houses.

Albany, N. Y.—Andrew Yauch, South Pearl street, house 20 x 30 feet.

Roslyn, Pa.—Victor Groshens, house 42 x 500 feet, King Construction Co. material.

Kansas City, Mo.—Wm. H. Humfeld Floral Co., 1010 East 31st street, one house.

Mamaroneck, N. Y.—Carrillo & Baldwin, orchid house, Lord and Burnham construction.

Wyncote, Pa.—Joseph Heacock Co., house 55 x 600 feet, Lord & Burnham Co. construction.

Kansas City, Mo.—J. Austin, 35th street and Park avenue, two carnation houses this summer.

New London, Ohio.—F. W. & M. E. Swager, range of houses.

Kansas City, Mo.—George M. Kellog Flower & Plant Co., range of houses.

Baumont, Texas.—South East Texas Floral Co., two carnation houses.

Park Ridge, Ill.—Emil Buettner, five houses for White and Pink Killarney roses.

Kansas City, Mo.—E. Humfeld, 7th and Paseo streets, conservatory. Present house will be torn down and new ones put up immediately.

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PLANT TUBS



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B 12 1/4 "	.75	8.25	65.00
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E 15 1/4 "	1.25	13.75	110.00
F 16 1/4 "	1.50	16.50	130.00

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1500 2 1/2 " " " "	6.00	60 8 " " " "	3.00
1000 3 " " " "	5.00		
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456 4 1/4 " " " "	5.24		
320 5 " " " "	4.51		
210 5 1/4 " " " "	3.78		

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address: **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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All The Clay for our Florists' Red Pots

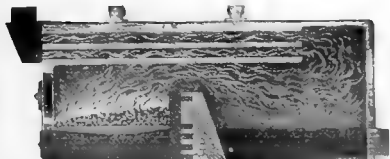
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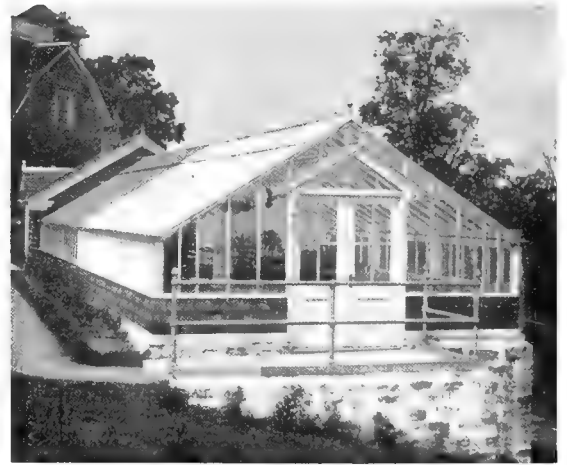
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HORTICULTURE

Vol. XI. MAY 28, 1910 No. 22

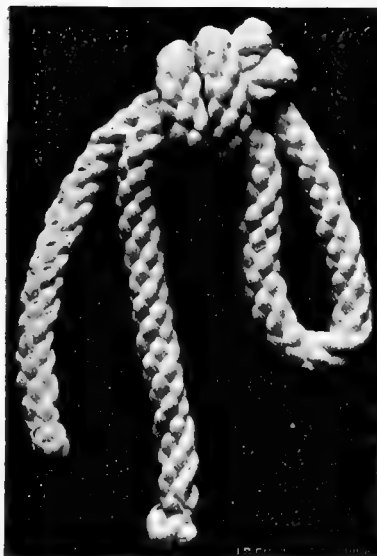


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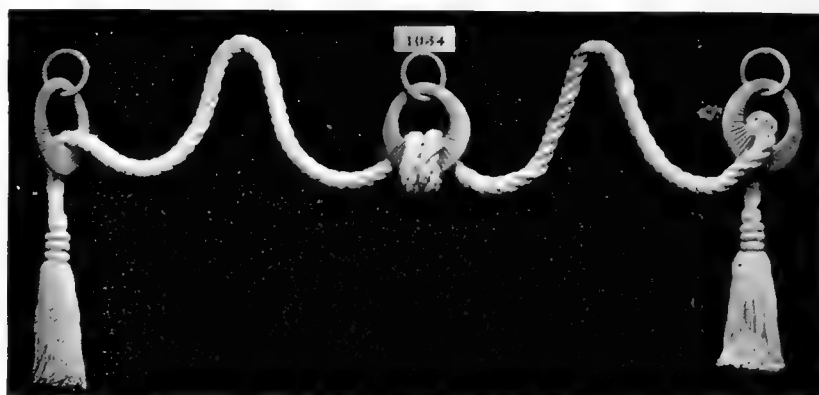
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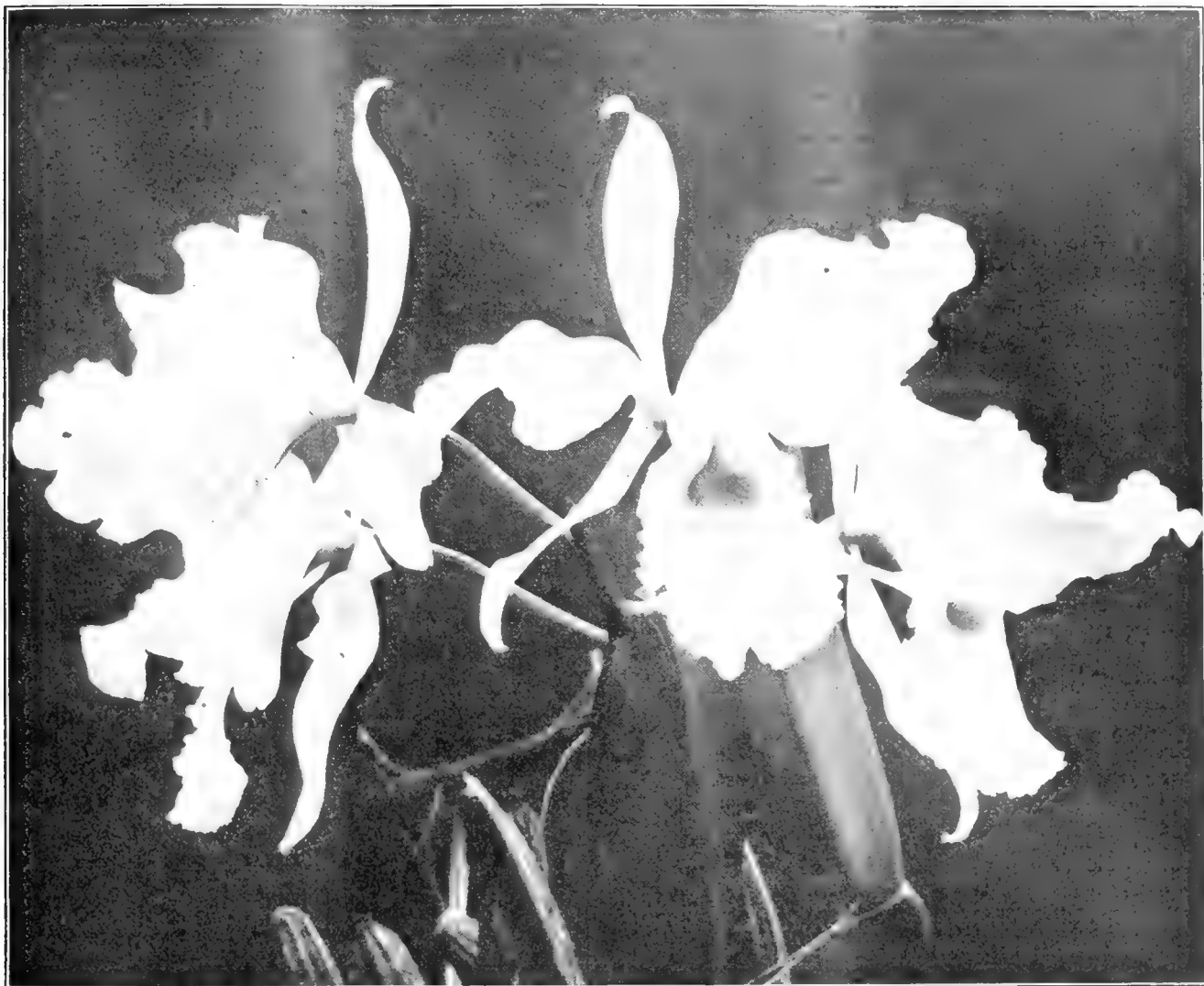
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The above illustration shows a flower spike of Lager & Hurrell's noteworthy acquisition, the only pure white *Cattleya gigas* ever found. Sepals and petals are abso-

lutely white, throat greenish yellow. Five thousand dollars is the value set upon this latest sensation in the orchid world.

Gladiolus Suggestions

My article in HORTICULTURE of Feb. 5 last, described the new French white gladiolus *Reine Blanche* which is now offered by all the leading growers and seedsmen in France and Germany. I wish to advise all who intend ordering this variety from European firms to get a few sample bulbs before placing orders of any large amount, for there is a great deal of diseased stock of this variety on the market. I bought four lots, and only one of these were healthy bulbs.

Growers have got to keep their eyes peeled continually or they will have serious trouble if certain diseases get a foothold in their fields.

Mr. Eirett Wallace is sending out some valuable suggestions regarding the treatment and control of various diseases to which the gladiolus is subject. A letter to him in care of the Agricultural Experiment Station, Cornell University, Ithaca, N. Y., will receive prompt attention.

No more gladiolus species can be obtained from

South Africa as the government has recently made a law forbidding the exporting of all plants, roots and bulbs, so if you have any of the valuable Cape species be sure to take good care of them for some kinds may soon be hard to secure.

I have good reports of the outlook for the proposed American Gladiolus Society to be organized at Horticultural Hall, Boston, on the 27th inst., and it looks as if there would be a substantial number of charter members enrolled. Let us all get together and make it a success in every way.

Ernest Gay

Orange, Mass.

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The orchid show opens

Just as this paper goes to the press the portals of Horticultural Hall swing open and the most beautiful and valuable collection of tropical flowers and plants ever assembled on this continent is unveiled to the public in all its radiant magnificence. Already many distin-

guished representatives of the profession whose art has made these lovely objects possible in our latitude are on the ground and still more are on the way from far and near, intensely interested in this event which marks a progressive step of extraordinary importance in American floriculture, and in the competition in which the giants of the profession are contesting for supremacy. We do not envy the judges. They have a difficult and delicate task to perform, with many embarrassing features. Whoever may win out or lose in the awards we hope the verdict will be accepted as fair and just by all concerned.

Foster the home garden movement

The excellent paper on garden competitions, by City Forester Prost of Chicago which appears in this issue, has been in type for several weeks, but we have held it back until now purposely that it might serve as an incentive to our trade readers at an opportune time when every well-balanced boy and girl as well as their elders are filled with the garden spirit and inspiration of the spring time—an incentive to the encouragement and promotion by every means at hand, of the interest in gardens, in trees and shrubs and flowers and lawns among the young. We are not advocating this course on the part of the florist, seedsman or nurseryman especially on the plea of philanthropy or because it will tend to the mental and moral advancement of the coming generation. Others are doing that and doing it well. Our appeal, for the time being, is solely on practical business grounds. As the matter looks to us it is inexplicable that the trade should continue so indifferent to the ultimate vast advantage that would accrue to their industry if they were all to support and actively advance every movement inaugurated in their respective districts for the purpose of civic and home improvement through garden competitions or other effectual means.

More folly

In the course of our work as newsgatherers we are in receipt of daily clippings on pertinent topics from newspapers published in all sections of the country. Just now Decoration Day and its prospects as to flower supply is the subject of much comment and, as often in the past, we find the majority of florists whose views are thus given publicity telling the people that flowers will be so scarce for that occasion that grave doubts exist as to securing enough material to decorate the graves of the departed heroes. And, of course, the closing word in each instance is to the effect that "prices will be very high." We must say that we do not share these forebodings. A flower famine at the end of May! There are plenty of "ifs" in the way and certain special flowers in certain restricted sections may command an enhanced price but it is a grave indiscretion to use the fact of this possibility for the purpose of creating a hysterical apprehension in the minds of the common people to whom this day and its peculiar observances mean so much. If the florist who makes use of such scare heads as some of the papers contain, should see his customers trooping into the woods and fields for wild blossoms, a little reflection should convince him of his folly. It is refreshing to read occasionally, by way of contrast, of a florist who announces that he will furnish free of charge the floral adornments of some monument or other object in which his townspeople are interested. With good business methods behind it that is the policy of a winner. Liberality at Decoration Day will go a long way toward effacing any sore spots held over from the Christmas exigencies or Easter default.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Boronias.

These plants are forcing their way into popular favor by sheer merit. Very few plants are possessed of such delicate and exquisite fragrance as *Boronia megastigma*. If customers only knew that one small specimen would fill a large room with a delicious perfume for many weeks they would buy the plant more freely than they do. After flowering the plants should be cut back a little, and, when they break again, that is the proper time for potting. A word of caution as to over-potting. Boronias are far better off in small pots—a 6-inch pot is large enough. For potting use sound, fibrous peat with the fine particles excluded, adding some sand and fine charcoal, and be sure to pot firmly. They can with safety be put outside from June until the end of September. Plunge to the rim in coal ashes in some good open position, and pay strict attention to watering. These plants, while they don't like to become dry, will not stand excessive moisture at the root. In the point of merit, next to *Boronia megastigma* is *B. heterophylla*, a remarkably floriferous species, although the flowers are not so powerfully scented.

Carrying Roses Over.

This method of culture has become popular with quite a few growers. To derive full benefit preparations should commence in June, in order that the plants may be gradually dried off, by withholding water, the idea being to afford a short season of rest without injuring them, and that fact should be kept in mind. When the supply of water is gradually reduced, they will start to ripen their wood, and new growth will stop. While this drying and resting period is going on the house should be thoroughly ventilated, both day and night, and kept as cool as the season will permit. The syringing should go on as before, so as not to allow the foliage to become the prey of red spider, and the ripening process is benefited by a not too abrupt checking of root action. If the plants are in benches, ripening can be completed in ten days or two weeks. But if in solid beds it will require from two to four weeks. When growth has ceased, the loose soil on the surface should be removed, and replaced with a fresh compost that has been well enriched with cow or stable manure. Remove all thin or weak wood and cut back the stronger growths to about one-third of their height. Extreme care is necessary during the first two weeks after cutting back, as to watering; they should be watered only slightly, but syringing every day will prove very beneficial.

Cycas.

About this season, and until mid-summer, is time to get and start dormant sago palm stems. They are among the florists' most useful decorative plants. The nude stems, as they come from the far east, should be

placed in pots very little larger than is necessary to hold them. Any good fresh potting will suit them very well. The soil should be rammed down all around the space between pot and stem. A good method after potting is to plunge them in a mild hotbed. Some deep frame, with the sash heavily shaded, will make an ideal place for them. Give them plenty of air and as soon as growth starts nicely they can be removed to the greenhouse where they will make a fine crown of leaves. During their development a shading is always necessary. Syringing is most essential. A frequent wetting down of the benches and paths creates that moisture in the atmosphere so congenial to this subject.

Gardenias.

The popularity of the gardenia is growing fast. Planting can be done any time from now on and during June. A great deal of the success or failure in gardenia growing depends on how the soil is prepared. It likes a light, sandy, and well enriched soil. Select a soil that lets the water through freely, always avoiding a heavy soil. Adding one-third of well-rotted cow manure to two-thirds of the above soil will make a very good compost. See that the benches have a good layer of broken crock's laid evenly over the bottom, for it is important that there is good drainage. When the plants are in 4-inch and fairly well rooted they make good stock to plant out. After they have started to grow freely the leading shoots should be pinched during the summer in order to produce bushy plants. The chief essentials in growing gardenias are atmospheric moisture and abundance of water at the roots during the growing season. They should be syringed at least twice a day and a sharp lookout kept for insect pests, chief of which is the mealy bug. *Gardenia Veitchii* is the best variety for winter forcing.

Repairing and Cleaning House.

Unless an exceptionally good crop of flowers is in sight at this time on any of the benches carnations, mignonette, roses, snapdragons, or any cut flower stock that is becoming worthless, should be thrown out so as to get a new start. The first thing after completely cleaning the house is to examine the benches as to their soundness for another year. If you think it doubtful as to its lasting through the season, pull it down and build it anew. Instead of the old, unreliable, unsightly, fixed-up bench you will have a new one that cost no more than the everlasting repairing needed on old benches.

Sowing Hardy Perennials.

The florist who has a local trade should grow a number of the useful hardy perennials and biennials for cutting. In addition to their value for the cut flower trade you will be able to sell some plants to your customers, as they increase quickly. Plants from seed sown now, can be transferred to the border as soon as large enough to transplant, and if watered for a few days they will get well enough established to stand the winter. The seed can be sown in some light soil in rows about six inches apart in a cold frame.

The sashes should be shaded and kept moist and the seeds will soon appear. The following are all free blooming and perfectly hardy. *Aquilegias*, *campanulas*, *delphiniums*, *digitalis*, *hesperis*, *hibiscus*, *Malva moschata alba*.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on the following: Bench Soil, Celestial Peppers, Luelias, Planting out Young Roses, Smilax, Stock plants.

A MOTHERS' DAY ECHO.

Our Philadelphia representative had an idea that the way to broaden the Mothers' Day movement from one flower only to all flowers was to lay the matter before the author of the movement. Hence the following correspondence:

"Dear Miss Jarvis:—In your great campaign please broaden the field next year. Mother loved all the flowers, and so long as it's flowers it will be all right. The commercial market gets jimmy-coggled if only one is an fait and that hurts instead of helping the love of the beautiful among the people, which, I am sure, we all have at heart in spreading—besides the beautiful sentiment for which you are sponsor. The two clippings I enclose herewith will help to explain my meaning. Supply and demand are not so easily regulated in the cut flower world as in a manufactory.

Yours very truly,

G. C. WATSON."

Miss Jarvis' Reply.

"Letter received. You florists should limit prices for which any carnation may be sold for Mothers' Day, and show a spirit the public will appreciate. Help the cause. Don't make the public sore on you for a little gain one day of year.

Very truly,

ANNA JARVIS."

"Dear Miss Jarvis:—I thank you for your courteous favor of the 23 inst., and beg to assure you that all florists are thoroughly in sympathy with the cause. It is the law of supply and demand that regulates prices of all commodities, flowers included, and those engaged in the raising or selling of flowers are quite powerless in regulating prices. That is the very reason I suggested you broaden your idea from one flower to any flower, and especially her favorite flower, whichever it may have been. This will do away with a run on any one thing and accomplish the object you have in view—no advance in price—because the demand would be spread over a larger field.

On second thought I feel sure you will recognize that I am trying to help instead of hinder.

Yours very truly,

G. C. WATSON."

THE FALLEN TREE.

There was a tree in Wister Wood
Last April's livery wore
Of emerald leaf and crimson bud,
But it is there no more.

There, earliest, on twig and bough,
I marked the spring's advance;
Of all who note its absence now
I only care, perchance.

Yet 'tis enough. For ne'er, for me,
Shall any spring come in
But all its trees shall lovelier be
Because this one hath been.

So may it be with me whose blood
Stirs ever when the spring
Calls out to me from Wister Wood
And bids me rise and sing.

Enough for me, if when I've gone
The way of man and tree,
Some spring be made more sweet for
one,
Through kindly thought of me.

T. A. Daly, *Standard and Times, Philadelphia.*

THE GREAT ORCHID SHOW

An Unprecedented Display

Julius Roehrs Company Wins the Big Prize

These lines will be in type hours before the orchid exhibition at Horticultural Hall, Boston, is opened to the public. As we write the staging and arrangement are not completed, names of exhibitors have not been placed on any of the groups and hence this must be only a partial preliminary report on the show. But we have gathered together sufficient notes to tell in a general way what is to be seen, and no doubt they will be interesting to our readers even if but fragmentary.

The main hall has never presented an appearance at once so brilliant and satisfactory to the eye. The centre spaces are occupied by the enormous specimen azaleas in bloom from Prof. C. S. Sargent's estate bedded in sod and encircled by gravel paths, and the massing of the colors is most effective, the white and light tints grouped in the two first beds and the bright reds massed at the farther end of the hall where they make a rich background. On the right, occupying nearly the entire east side of the hall, are the great orchid groups in competition for the premier prize, arranged by Lager & Hurrell and Julius Roehrs Company. Lager & Hurrell's arrangement represents a tropical jungle with trees overhanging a waterfall, with phalaenopses, oncidiums and Dendrobium thyrsiflorum swaying from the lofty branches. The whole conception is artistic in a high degree.

Julius Roehrs Company make a prodigious display of great variety and novelty. The central feature is a tall *Dicksonia antarctica* draped with *odonoglossums*. To right and left are cattleyas by thousands, dendrobiums, cypripediums, miltonias and phalaenopses and a host of other gems. Among some of the things shown now for the first time here are Cattleya Disseldorff Undine, a white hybrid between *Intermedia alba* and *Mossiae Wagneri*, *Trichopelia Hennessi*, also pure white, *Dendrobium Regium*, beautiful pink, and four new *Odontiodas*. Beyond in the next alcove is the Roehrs' group of stove plants, sparkling with scarlet anthuriums. The far end of the hall, beyond the Sargent azalea group, is occupied by a group of 250 superb specimen *Cocos Weddelliana* from the Establishment Horticulturique Lyon of Ghent, Belgium.

On the west side of the main hall are seen a grand group of decorative foliage plants from Harvard Botanic Garden and the exhibits of W. A. Manda arranged with the unique boldness always characteristic of the arrangements by this master of decorative art. His orchids are suspended in profusion from branches and rough bark and moss receptacles and reflected in mirrors ingeniously placed to simulate water. There are also some gigantic rhododendrons in bloom in tubs, from the Hunnewell estate. Among the smaller groups in this hall is one of *Nephrolepis Milleri*

from Mt. Desert Nurseries, a new fern which is best described as a very dwarf form of *Whitmani*, with foliage even more finely divided and closely resembling the Lace Fern, *Cheilanthes elegans*.

In the lecture hall are located a number of very extensive groups. The central space is occupied by the big orchid group from the Roebbling conservatories at Trenton, N. J. This is a unique arrangement in the form of a vast double pagoda, the doors and arches adorned with suspended plants and the whole placed in a setting of ferns.

On the stage is an enormous collection of rare plants from R. & J. Farquhar & Co., comprising most of the Chinese introductions of E. H. Wilson, many of them in bloom and including probably more novelties than any group ever before staged in this country. A new iris, raised by James Farquhar, from a crossing of *Palida Dalmatica* with *Kaempferi* is exceedingly interesting, as are also some of Pfitzer's new ever blooming show pelargoniums and a superb seedling, zonal, raised by George Melvin and named Mrs. Chas. Pfaff by Mr. Farquhar. Splendid orchid groups are staged in this hall by J. T. Butterworth, showing cultural skill of the highest degree. Another magnificent group comes from Walter Hunnewell. Joseph Manda's group of orchids—mainly cut flowers—attracts much attention and admiration for its skillful, artistic effect, the orchid stems being inserted in great profusion between the leaves of a variety of bromeliads. Another collection of great extent and variety comes from the orchid houses of E. B. Dane. Geo. L. Freeman Company is on hand with a fine lot of freshly collected plants and the Macrorie-McLaren Co. have some fresh phalaenopses.

Among the most interesting and important plant groups from a commercial standpoint is that of hydrangeas in bloom from Thomas Roland. Particularly promising is a new sort which appeared in an importation from Japan two years ago and which Mr. Roland has got fixed in pink and in blue varieties. The flower bracts are cupped in a way closely resembling the flowers of some lilacs and have a hard, waxy character entirely unique in hydrangeas. The small exhibition hall is occupied by two mammoth groups of foliage and flowering plants from Ed. MacMulklin and W. A. Riggs respectively. Both are exceedingly brilliant, the MacMulklin group displaying especially fine taste in arrangement. A glowing border of yellow *calceolarias* on the Riggs group is very effective. Here also is a large display of specimen *Fuchsia Black Prince* from Walter Hunnewell. M. J. Pope is on hand with a group of healthy well-flowered orchids, including an enormous specimen of *Oncidium sphacelatum*.

In cut flowers the entries are not many but all are superlatively good. An arrangement of parrot and Rembrandt tulips by W. W. Rawson Co., on a dark green velvet background is stunning. William Sim shows an array of sweet peas of the well-known Sim quality and H. A. Dreer is represented by a collection of hybrid teas, outdoor grown, fine blooms, some of them new varieties. Harry Turner staged vases of three varieties of *Mal-maison* carnations viz., *Calypso*, Mrs. Trelawney and Lord Welby, flowers of prodigious size.

Just as we close the forms the news reaches us that the \$1,000 prize and gold medal for display of orchids filling 400 sq. ft. of space has been won. Second prize, \$500 and silver medal, goes to C. J. Roebbling, and third prize, \$250 and bronze medal, to Lager & Hurrell. Lager & Hurrell win the gold medal for best recently introduced orchid plant not previously exhibited in the United States, and Roehrs wins the gold medal for best new seedling orchid plant not previously exhibited in the United States.

LIST OF VISITORS.

The list of visitors in Boston up to Thursday afternoon includes the following:—De Forest W. Ludwig, Pittsburgh, Pa.; Theodore Outerbridge, Bermuda; P. T. Barnes, Harrisburg, Pa.; Julius Roehrs, Ed. H. Roehrs, J. A. Muller, Max Richter and Chas. Maynard, all of Rutherford, N. J.; Henry Hurrell and G. W. Strange, Summit, N. J.; Louis Burk, wife and daughter, Phila., Pa.; I. Rosnosky, representing H. F. Michell Co., Phila., Pa.; Robert Craig, George C. Watson and A. Pericat, Phila., Pa.; F. R. Pierson, Tarrytown, N. Y.; Paul de Nave, Fall River, Mass.; M. J. Pope, Naugatuck, Conn.; J. A. Newsham, New Orleans, La.; S. R. Lundy, representative of W. A. Manda, San Francisco, Cal.; W. A. Manda and R. Karlstrom, South Orange, N. J.; A. G. Handel and Peter Duff, Orange, N. J.; Joseph Manda and J. Murray, East Orange, N. J.; Jas. Goodier and Mr. Keeling, Trenton, N. J.; Alex McDonald, Somerville, N. J.; C. H. Totty, A. Herrington and Wm. Duckham, Madison, N. J.; Winfried Rolker, George F. Struck, James Manus and A. F. Faulkner, New York City; H. A. Barnard, of Stuart Low & Co., London, England; Adolph Saxe, Dresden, Germany; J. S. Hay, representing H. A. Dreer; Harry Turner, Castle Gould; D. F. Roy, Marion, Mass.; Timothy McCarthy, Fred. C. Green and James Hamilton, Providence, R. I.; Vernon L. Sherwood, Bar Harbor, Me.; A. J. Loveless, Lenox, Mass. These are only the advance guard. Friday and Saturday will see a much greater influx, which would be far more so if it were not for Memorial Day business which will keep many away who would otherwise be here.

NATIONAL FLOWER SHOW.



Mechanics' Building, Boston, Where National Flower Show Will Be Held.

The committee on National Flower Show met at Horticultural Hall, Boston, on Wednesday, May 25, with President F. R. Pierson and a very full representation of the local membership present. On account of some uncertainty as to contemplated alterations in its interior architecture, Horticultural Hall was eliminated from consideration as a location for the show and the matter of choice was narrowed down to the new Boston Arena, with

a central floor space of about 50,000 sq. ft., and Mechanics' Building with more than double that space. The former was decided to be too small for the expected exhibits and the latter was finally decided upon, and, although costing considerably more, its well-established popularity as a place of public entertainment is expected to offset this drawback, and President Pierson was authorized to contract for the occupancy of the entire building, the show to open on Saturday, March 18, 1911, and close on Sunday night,

March 25, thus giving the advantage of two Sunday attendances. Provision will be made for a mammoth trade exhibition on the lower floors of the building, but the trades' department will be closed on Sundays. Chester I. Campbell was selected as general manager and secretary of the entire enterprise on terms considered very favorable by the committee. The next meeting will be called for some day in the second week of June, when details will be considered and a period of general activity inaugurated.

PEONY EXHIBITION.

The schedule of prizes for the joint exhibition by the Massachusetts Horticultural Society and the American Peony Society to be held at Horticultural Hall, Boston, on Thursday and Friday, June 9 and 10, 1910, is as follows:

Prizes Offered by the American Peony Society.

HERBACEOUS PEONIES—DOUBLE.

Commercial Classes.

1. Largest and best collections of named varieties, one flower of each. \$15, \$10, \$5
 2. Fifty blooms, one variety, named, white. \$10, \$5
 3. Fifty blooms, one variety, named, dark pink or rose. \$10, \$5
 4. Fifty blooms, one variety, named, flesh or salmon-pink. \$10, \$5
 5. Fifty blooms, one variety, named, crimson. \$10, \$5
- Amateurs and private growers' classes.
6. Collection of not less than twelve varieties, named, one of each variety. \$10, \$5
 7. Collection of not less than twelve varieties, named, one of each variety, open only to exhibitors not residing within the State of Massachusetts. \$10, \$5
 8. Collection of white varieties, named, one bloom of each. \$5, \$3

9. Collection of dark pink or rose varieties, named, one bloom of each. \$5, \$3
10. Collection of salmon and flesh pink varieties, named, one bloom of each. \$5, \$3
11. Collection of tricolor varieties, named, one bloom of each. \$5, \$3
12. Collection of crimson varieties, named, one bloom of each. \$5, \$3
13. Six blooms of any one variety, named. \$3, \$2

Prizes Offered by the Massachusetts Horticultural Society.

HERBACEOUS PEONIES.

14. Collection of thirty or more varieties, double, one flower of each. \$12, \$8, \$6, \$4
15. Collection of twelve named varieties, double, three flowers of each. \$12, \$8, \$6
16. Specimen bloom, double. \$2, \$1
17. Collection of twelve or more named varieties Japanese single; including all single varieties destitute of pollen. \$4, \$3, \$2
18. Vase of blooms on long stems, arranged for effect in the Society's large China vases. \$10, \$6, \$4
19. Collection of six named double varieties, white, one flower of each. \$3, \$2, \$1
20. Collection of six named double varieties, rose pink, one flower of each. \$3, \$2, \$1
21. Collection of six named double varieties, salmon pink, one flower of each. \$3, \$2, \$1
22. Collection of six named double varieties, red or crimson, one flower of each. \$3, \$2, \$1

23. Collection of six named double varieties, any other color, one flower of each. \$3, \$2, \$1
24. Vase of twenty-five blooms, double, white or bluish. \$5, \$3, \$2
25. Vase of twenty-five blooms, double, pink or rose. \$5, \$3, \$2
26. Vase of twenty-five blooms, double, red or crimson. \$5, \$3, \$2
27. Vase of twenty-five blooms, double, any other color. \$5, \$3, \$2
28. Collection of twelve named varieties, double, one flower of each, for non-commercial growers only. \$6, \$4, \$3
29. Display of peonies, arranged for decorative effect, to occupy a space not exceeding one hundred square feet: 1st. Silver Medal and \$10; 2d. Bronze Medal and \$5; 3d. \$5
30. Best new peony not in commerce or introduced since 1906. Silver Medal

Flowers intended for competition must be shipped so as to reach the exhibition not later than ten o'clock A.M. on Thursday.

Express charges on all exhibits must be prepaid, and should be so marked on the boxes, as no charges will be paid by the manager of the exhibition.

The usual rules governing previous exhibitions of both societies will be in force. All packages must be addressed in care of William P. Rich, Secretary, Horticultural Hall, 300 Massachusetts Ave., Boston, Mass.

A DETROIT CHARITY.



Tuberculosis Flower Day under the auspices of Detroit's society, was a splendid success and John Breitmeyer's

Sons' establishment was crowded with purchasers from all stations of life. All were anxious to buy a flower to help the good cause, the entire receipts



of the afternoon's sales being for that purpose. These ladies carried off several hundred dollars. The accompanying illustrations show some of Detroit's society belles as they appeared selling

flowers on this occasion and the ever present, genial smile of Mayor Phil Breitmeyer is well brought out. The great success attained suggests that the event be made an annual affair.

"MORE THAN \$1.00 IN ONE COPY."

Please find enclosed one dollar to renew subscription for your valuable paper, HORTICULTURE, which every person interested in plants should read and they will find more than one dollar of information in any one copy.

JOHN GERARD.

New Britain, Conn.

"VERY HELPFUL."

Berlin, N. H., May 20, 1910.

We have been favored with sample copies of HORTICULTURE at different times and have found it very helpful in many respects. Please find check enclosed for \$1.00 which pays for one year's subscription to HORTICULTURE.

T. G.

Worth Reading

San Francisco, Cal., May 13, 1910.
"This will advise you that I have thoroughly tested out your product Aphine, and can highly recommend same for exterminating Aphids. Our outside roses in Golden Gate Park were badly infested with Aphids. With the first application of Aphine the pest was entirely destroyed."

(Signed),
John McLaren Supt. Golden Gate Park.

"Uplands" San Mateo, Calif.,

May 10, 1910.

"The Aphine you sold me I have used on orchard trees and ornamental plants infested with scale, green and white fly, thrip, mealy bug, etc., and found, in every case, that it completely destroyed the pests in question with not the slightest harm to the subjects treated. It is without doubt the finest insecticide I have ever used."

(Signed),
William Muero, Supt. to
C. T. Crocker, Esq.

Miami, Biscayne Bay, Fla.,

April 26, 1910.

"The sample of Aphine you kindly sent me was used on a lot of palms which were infested with Mealy Bugs and I am glad to say it entirely destroyed them without injury to plants. I shall include Aphine in my next order for supplies."

(Signed),
E. J. Andrews Gardener, Hotel
Royal Palm.

Hill Crest, Purchase, N. Y.,

May 14, 1910.

"Replying to your letter of March 31st, I wish to say that we have given your Aphine a thorough test, and have come to the conclusion that it is one of the best insecticides ever sent out."

(Signed),
A. Underwood, Supt.

Morristown, N. J., April 25, 1910.

"It gives me great satisfaction to tell you that Aphine has entirely cleaned my Gardenias of Mealy Bug. I used it one part to 35 water. I have tried many things with more or less success but this was the first complete success. There was no injury to buds or foliage."

(Signed),
Edward Reagan.

Concord, N. H., May 8, 1910.

"Received the Aphine and gave it a good test. As I wrote you before, my 'mums' were literally covered with lice, but that is a thing of the past. I regard Aphine practically as an insurance against insects and I shall not be without it in the future."

(Signed),
H. D. Whitney, Prop.
Fern Croft Farm.

Pasadena, Cal., April 11, 1910.

"It may interest you to know that of the three fluid insecticides which I have tested Aphine proved to be the best. First—It did not disfigure foliage or flower. Second It mixed with water perfectly, and last, but not least of its merits, it is less expensive than any of the others considering the work accomplished."

(Signed),
P. D. Barnhart,
Editor of Pacific Garden.

We will supply many reports, equally as praiseworthy of the merits of Aphine as those submitted above, or any other particulars you may like to obtain

**Aphine Manufacturing
Company,
MADISON, N. J.**

WHAT ARE YOU DOING

to make June, the month of Brides and Graduations a busy and Profitable One for You?

Boxes and Crates

are being shipped from our warehouses every day to florists all over the country, containing just the goods that the public are eager for at this season. Are any of them billed to you? If not you are neglecting your opportunity. There's as good money in them for you as for the other man who is stocking up and getting ready and knows why.

Behind These Goods

stands the name and guarantee of the oldest, largest and best-known Florists' Supply House in America. **Quality, Freshness, Servicability and Price are Unrivalled.** Send for price list and suggestions on seasonable standard goods and novelties and mention Horticulture when writing.

H. BAYERSDORFER & CO.,
1129 Arch Street, Philadelphia, Pa.

THE AMERICAN SEED TRADE ASSOCIATION.

The 28th Annual Convention will be held June 21-23 at Atlantic City, with HEADQUARTERS AT THE HOTEL STRAND on the beach at the foot of Pennsylvania Ave.

RATES—Single room, without bath, for one, \$3.50. Double room, without bath, for two, \$7.00. Single room, with bath, for one, \$5.00. Double room, with bath, for two, \$9.00. Including all meals.

Extract of letter received by the secretary:

"These rates will be given to your Association regardless of locations. In other words, rooms facing Pennsylvania Avenue and Ocean front will be the same price as land side rooms, and persons engaging accommodations in advance will have the preference."

The program should appeal to members who are interested in the welfare of the Seed Trade and are desirous of keeping pace with the latest developments relating to the business.

SPECIAL NOTICE.—Notice is hereby given to offer an amendment to the By-Laws, Article 1, Sec. 4, raising the dues to twenty dollars.

C. E. KENDEL, Sec'y.

2010 Ontario St., Cleveland, O.

THE PROGRAM.

Officers 1909-1910.

President, J. C. Robinson, Waterloo, Neb.

First Vice-President, M. H. Duryea, New York.

Second Vice-President, F. W. Bolgi-
 ano, Washington, D. C.

Secretary-Treasurer, C. E. Kendel,
 Cleveland, O.

Assistant Secretary, Leonard H.
 Vaughan, Chicago.

Order of Business.

Reports of the secretary and treasurer; election of members; reports of committees; reading of communications; unfinished business; new business; general discussions; annual election and installation of officers.

Opening Session, Tuesday, June 21,
10 A. M.

Recent Science in Plant and Animal Breeding. Hon. W. M. Hays. (Assistant Secretary of Agriculture, Washington, D. C.)

Methods and Apparatus for Seed Testing by Seed Merchants. George H. Clark. (Department of Agriculture, Ottawa, Ont.)

The Spencer Type of Sweet peas. W. Atlee Burpee, Philadelphia, Pa.

State Legislation—Present and Future. Prof. Charles D. Woods, Orono, Maine.

The Advancement and Protection of the Interests of the Seed Trade. Curtis Nye Smith. (Counsel for the American Seed Trade Association, Boston.)

Past, Present and Prospective of the Seed Trade of America. Francis Brill, Hempstead, N. Y.

Wednesday Evening—Annual Banquet.
Friday.

All members and their families are

cordially invited to spend Friday at Fordhook Farms.

Special trains will stop at the entrance, and luncheon will be served at 1.00 o'clock.

Mr. Burpee and Mr. Earl will be back from California in time to welcome their guests.

List of Committees:

Executive Committee—W. S. Woodruff, Orange, Conn.; Geo. S. Green, Chicago; Alex. Forbes, New York; Chas. N. Page, Des Moines, Ia.; S. F. Willard, Wethersfield, Conn.

Membership Committee—Albert McCullough, Cincinnati, O.; E. L. Page, Greene, N. Y.; J. C. Vaughan, Chicago.

NEW ORLEANS HORTICULTURAL SOCIETY.

Although there was a fair attendance of members at the regular monthly meeting of this society very little but routine business was transacted. Two new members, J. C. Quinette and George Thomas were elected. After much discussion the date and place for the annual outing were left to be decided at next meeting. The Society set the date to accept of the hospitality of Mr. Theard, president of the Dixie Brewing Co., immediately after the next monthly meeting on June 17th. U. J. Virgin had a nice vase of *Iris Kaempferii* on the exhibition table.

A. E. Marr, son of the late Thomas E. Marr will continue the photographing business of Thos. E. Marr & Son, at the same address as heretofore, 180 Tremont street, Boston.

ORCHID PEAT

Osmunda Fibre

Either the black or brown grade, in chunks or handpicked, in bags or barrels, ready for the orchid grower.

LIVE SPHAGNUM MOSS, ROTTED or AZALEA PEAT, LEAF MOLD, BALED SPHAGNUM MOSS, all of fine quality.

Our Exhibit at the Boston Orchid Show will interest you as a demonstration of the quality of our goods.

The C. W. BROWNELL CO.

Walden, N. Y.

A TALK ON GARDENS.

By J. H. Prost, City Forester of Chicago,
Before the South End Women's Club.

Municipal gardens, such as back and front yard gardens, children's gardens, vacant-lot gardens, porch and window effect, together with streets properly ornamented with trees and shrubs, really are the fundamental features of a beautiful city. Gardens not only help to beautify the city, by beautifying the home surroundings, they are also of great importance as educational factors, improve sanitary conditions, increase the value of real estate, strengthen home ties and stimulate civic pride.

It seems to me that every one must realize the influence for good which the cultivation of plants exercises upon a community. It is those citizens, having gardens of their own, who most appreciate and respect our parks. The planting, cultivation and handling of plants in their own little gardens, gives them a better understanding of the plants in our parks and they grow to realize that each flower, each tree, each shrub and all the beautiful scenery is for them to admire and enjoy, if only they will make their acquaintance and visit with them now and then.

Nothing gives a family more satisfaction during the warm summer days than a well kept lawn, fringed with perennials, flowering shrubs and trees; a quiet, peaceful and beautiful retreat as it were, where they can feel as though they had retired from the city into their own little private park. Whenever you find a home where grass, flowers, trees and shrubs have taken the place of cinders, tin cans

and rubbish, there you will find a happy family, a successful father, a contented mother and well behaved children. Here, in their own little garden, they all have a common interest, each has his favorite flower, vegetable or tree, and while each contributes a part of his or her time to its care, all receive the benefits of the whole. Here the children may play and have their garden parties; the mother may entertain her friends and in the cooling shade of the garden trees serve her afternoon tea; while in the evening the family may sit out in the open air and gaze at the "twinkling stars through the sighing leaves."

A child brought up in surroundings such as these, where it may watch the tiny seedling plants break through the ground in early spring, cultivate and study their growth during the summer, pick the flowers and carry them to a sick schoolmate, and in the fall harvest the vegetables and fruits,—such a child surely gets more out of life and is making better preparations for the future than those who are spending their youth in useless or idle play.

All this is even more practical than poetic; it is simple rather than difficult, and intensely fascinating to those who have gotten started in the work. What our people need is more missionary work along these lines, such work as the Improvement clubs have been doing; more definite instruction as to just what, how and when to plant and how to care for their gardens. The United States Department of Agriculture has published several bulletins on vegetable and flower gardens, which may be had for the asking.

As a result of these garden contests, home garden making has taken a firmer hold upon our people. Every improvement association could well afford to put forth especial effort to induce citizens to do more to beautify their front and rear yards and to grow vegetables upon vacant lots. What a grand annual garden festival we might have and what an influence it would have toward civic betterment, if each improvement association in the city could be induced to have an annual garden contest in its district, give prizes for the best gardens and then enter these local prize gardens in a contest to be conducted by the League of Improvement Associations, an organization comprising all of the improvement associations of the city. This final contest would bring out the best gardens in the city, and by awarding the prizes at some suitable time and place, with each improvement association participating, better ideas and new ambitions could be aroused, which would stimulate the interest in garden making throughout the city.

These contests ought to take into consideration all the different kinds of municipal gardens and might be considered missionary work in home garden making and civic betterment; no effort need be made to give large prizes.

The vacant lot gardens would of course be either children's gardens or purely vegetable gardens. The property usually being rented, may at any time be utilized for building or other purposes; for this reason, persons doing the gardening cannot afford to pay a big rental, and should get as much for their efforts as possible. These gardens would be judged upon the

Orchids

We are strictly specialists in **ORCHIDS**. Our extensive collection comprises **Everything Worth Growing** in this line, from tiny botanical orchids to the large and showy kinds for amateurs and florists.

If you do not have our catalogue of established orchids, a postal card from you will bring it to you.

Of **freshly imported Orchids** we have large quantities in fine condition and at low prices, such as

Cattleya Trianae, C. Mossiae, C. Gaskelliana, C. Schroederæ, C. Speciosissima, Dendrobium formosum, Oncidium varicosum, etc., etc.

Send for special list of Imported Orchids.

LAGER & HURRELL

Summit, New Jersey

ORCHIDS Headquarters for all Central American Varieties

Just received nice importations in fine condition for immediate shipment the following varieties:

Oncidium	Splendidum	Lycaste Skinneri
"	Leucochilum	Cattleya Skinneri
"	Wentworthiana	" Bowringiana
"	Ornithorynchum	Laelia Superbiens
"	Graminifolium	" Digbyana
"	Bicallosum	Odontoglossum Grande
"	Cavendishii	

My arrangements and facilities enable me to quote lowest possible prices for all Central American varieties for present or future delivery. Write for them.

J. A. NEWSHAM

MAGNOLIA NURSERY

NEW ORLEANS, LA.

Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

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and 235 Broadway, Room 1
NEW YORK CITY**

ORCHIDS

Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

We are glad to notify our retail customers that we have nothing to do with the August Millang Store, 60, if you wish to favor us with your orders, call us by telephone No. 51 L, Madison, N. J. or write us to our address in

**Madison, N. J.,
ORDONEZ BROS.**



ORCHIDS

for the

Trade Only

Alphonse Pericat, Orchid Specialist and Importer, offers his brother orchid growers a

part of his recent importation from South America—just arrived in splendid condition—as follows:—

	Per Case
Cattleya Trianae, - -	\$40.00
" Schroederæ,	\$55.00

These are the best orchids for the commercial florist. Order at once as the surplus is limited.

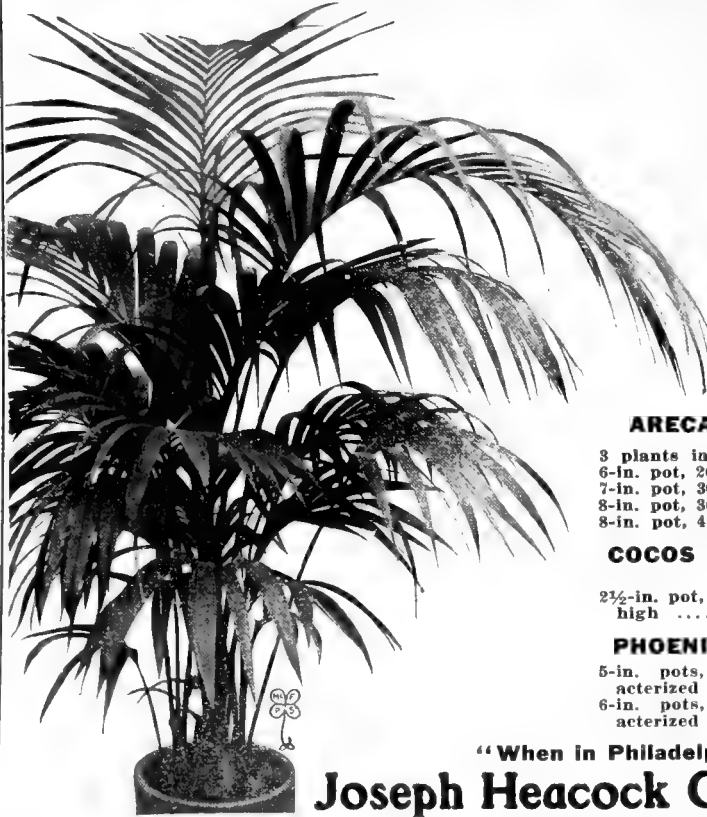
Dendrobium Formosum: Fine lot imported stock; 6 to 10 bulbs each, \$1.00, \$1.25 per clump.

Schroederæ and Trianae, cases contain about 400 bulbs each (more or less according to size)

Alphonse Pericat

ORCHID SPECIALIST AND IMPORTER
Collingdale, PHILA., PA.

"Heacock Quality" Palms Mean MORE TRADE for You



Your customers are commencing to stay out-of doors more now; they are thinking of porch plants—and most particularly, of PALMS.

You can sell Heacock's Palms to your trade—**profitably**—because of their handsome, thrifty appearance and great vigor; they are an ornament anywhere.

We grow Palms by the thousand, from seed; we know how to produce the best results, and our stock is vastly better than imported Palms **at any price**—yet ours cost no more, as you'll see from the following list. Our stock this year is extra-fine and we'd like a trial order from you. We have splendid freight connections and can ship promptly.

ARECA LUTESCENS

3 plants in pot.	Each.
6-in. pot, 26 to 28 in. high	\$1.00
7-in. pot, 30 to 32 in. high	2.00
8-in. pot, 36 inches high	2.50
8-in. pot, 42 inches high	3.00

COCOS WEDDELIANA

Per 100
2½-in. pot, 8 to 10 inches high
.....\$10.00

PHOENIX ROEBELII

5-in. pots, nicely characterized	\$1.00
6-in. pots, nicely characterized	1.50

KENTIA BELMOREANA

6 to 7 leaves	Per doz.	Per 100
5-in. pot, 18 in. high	\$6.00	\$50.00
5-in. pot, 20 in. high	9.00	70.00

Each	Doz.
6-in. pot, 22 to 24 in. high	\$1.00 \$12.00
7-in. pot or tub, 32 to 34 in. high	2.00 24.00
9-in. tub, 5 ft. high	\$7.50 and \$8.00 Each

MADE UP KENTIA FORSTERIANA

4 plants in tub.	
9-in. tub, 42 to 48 inches high.....	\$4.00 Each
12-in. tub, 6 ft. high	\$15.00 Each

"When in Philadelphia Be Sure to Look Us Up"

Joseph Heacock Company, Wyncote, Pa.

choice and number of varieties growing, cleanliness and scarcity of weeds, quality as well as quantity of vegetables. Children's gardens should be located near public schools, where they may be readily reached by the children after school hours, and when possible, one of the teachers should remain with them to see that they conduct themselves properly. In planting, arranging and cultivating the gardens, the children should be allowed absolute freedom, also to plant varieties of their own choice. In this way, they become more interested, take great pride in working out new ideas, they will study the plants more closely, learn their economic value, purpose for which they are used and will compare them to their description in the seed catalogues. By giving them this freedom, it becomes a matter of personal judgment and responsibility, with the element of speculation and experimentation entering into their play.

Window boxes may be bought ready made and after fastening them to the window sills, should be filled with good, black loam and this soil should be renewed each spring, after the bulbs have ceased blooming and have been taken out and put in a dry place for fall planting. These boxes should be planted with alyssums, alternanthera, or ageratums at the edge of the box, with periwinkle, wandering Jew, nasturtium, sweet pea, English ivy, or similar vines hanging over the sides and umbrella palms, marguerites, geraniums, petunias, coleus, begonias, etc., planted in the center. Such planting gives a pleasing effect and these boxes are judged as to arrangement

of the plants, color effect in massing and general conditions.

Porch gardens will be planted with almost the same plants as recommended for the window boxes, (these porch boxes should be fastened to the railings of the porch and stairway) but more hardy, such as the morning glory, wild cucumber, moon flowers, scarlet runner, Dutchman's pipe, etc., should be used. For permanent effect, Hall's honeysuckle, bitter sweet and Virginia creeper should be used; they may be planted in the ground and trained up along the porch to its roof.

Front yards should be planted so as to harmonize with the general treatment along the street. Vine covered fences or clipped hedges planted on the property line to divide neighbors is very poor taste; such planting destroys the street effect, looks unneighborly and makes one think the owners feared their yard would be stolen. With all the front lawns along the street opened into one another, you get a harmonious treatment along the street that gives it a boulevard appearance.

I have often seen pleasing effects as the result of planting castor beans against the house or porch with caladiums, cannas, coleus or geraniums in front of them, but the best results are gotten by planting such shrubs as lilacs, mock oranges, highbush cranberries, althaea and Spiraea Van Houttei against the house and porch corners, with lower growing shrubs such as weigela, Japan quince, California privet, snowberries, Indian currants, Thunberg barberries, Deutzias gracilis and Lemnisei, or Spiraea Anthony Waterer, tomentosa or Bumalda plant-

ed in front of the high growing ones, forming a bank of foliage rising from the lawn, up and against the house. The shrubby effects are permanent in character and are almost as interesting when the twigs are covered with snow as when in bloom.

The back yard gardens may be entirely ornamental and are often considered the most desirable; they may be entirely given up to growing vegetables, thus bringing the largest financial return, or they may be planted to combine both the ornamental and vegetable, which garden is undoubtedly the best suited for the average city home.

The ornamental back yard gardens may be considered of two types, the formal or geometric garden and the informal or naturalistic garden. In formal gardens such plants as the castor bean, caladiums, cannas, geraniums, alternantheras, yuccas, asters, stocks, balsams, salvias, four-o'clock, alyssums, etc., are used with the low growing plants, planted as borders around individual masses of the higher growing ones and these arranged in circles, squares and other geometric figures, with heavy grass lawns stretched between these beds and straight hedges of privet or Thunberg barberries bordering the lawn and walks. The informal gardens should have as much open lawn left intact as possible, and no beds of flowers or shrubs should be planted in the center of the open space. These would minimize the size of the lawn and their patchy appearance detracts from the composition of the whole.

Naturalistic gardens require the least attention as almost all plants



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on an quantity.

YOUNG RUBBER PLANTS, 2½ in. pots, \$15.00 per 100.
Order early—limited quantity.

NURSEYRMEN AND FLORISTS

Rutherford, N. J.

used will be perennial, they cost the least to maintain and also give a pleasing winter effect. In these gardens all the unsightly features as garbage boxes, sheds, poultry houses, house foundation and porch should be screened from view by proper arrangement of high growing shrubs, such varieties as mentioned for front yard planting. These shrubs should also be planted at the corners of the yard, with the lower shrubs mentioned, planted in front of and between the masses of high ones. This planting scheme forms a bank of foliage against the borders of the yard and the perennial flowers, such as hollyhocks, anemones, columbines, asters, campanulas, hardy chrysanthemums, coreopsis, larkspurs, delphiniums, sunflowers, day lilies, peonies, phlox, goldenrod, etc., should be planted in masses along in front of the shrubbery beds. This massing of flowers against the green foliage of the shrubs makes this sort of gardening intensely fascinating and it affords excellent opportunities to study color effects by rearranging the flowers from year to year, to suit the taste and fancies of the gardener. These informal gardens should also have one or two trees, planted where it will form a canopy of green, under which a rustic bench or hammock may be placed. The trees best suited for this purpose are the Norway, sugar or silver maple, mulberry, honey locust, American linden or sycamore.

Where the mixed garden is desired the back yard should be divided by a vine covered trellis or privet hedge, so that the rear half will be vegetables and the remainder open lawn, with flowers and shrubs at the borders and one good tree for shade, near the center. The vegetables in the garden should be planted in straight rows and plenty of fertilizer should be added to the soil in the fall or spring, if good results are desired. Very often, perennial flowers are planted along the walks and against the edges of the vegetable garden and these add greatly to its appearance.

I have seen a great variety of ornamental features introduced into gardens, such as summer houses, arbors, pergolas, rockery work, ferneries, rustic seats, etc., and these are the results of hobbies, fancies, individualities or experience in gardening and give the greatest enjoyment to those who make them.

These front and rear gardens should

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List.

W. & T. SMITH CO.

Geneva, N. Y.

be judged according to the age, experience and occupation of the person responsible for the garden; the original design or purpose and adherence to it; choice of varieties and harmony of planting; and the thrift, cleanliness and general appearance of the whole.

NEW ORLEANS NOTES.

J. A. Newsham is attending the Orchid Show held at Boston this week. He will take in New York, Philadelphia and Washington before returning.

Hermann Doescher and his partner, Morris Jones, both young men, are hustlers. They are enlarging their nursery and intend carrying a big stock of shade and ornamental trees, shrubs, privet, roses, etc.

E. A. Baker, manager for the new Parking Commission, has had a strenuous winter. Given a piece of swampy uncleared land, he has performed miracles in clearing, grading and draining and now has thousands of seedling trees, shrubs, etc., growing on for use in the public thoroughfares.

FOR SALE Grafted Bride Roses

R. T. MCGORUM,
Natick, Mass.

Box Trees

and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN
6 and 7 South Market St., Boston.

ROSES

Our young bedding roses are in grand condition, of fine size and well grown.

Write for descriptive
catalog and prices.

THE E. G. HILL CO.,

Richmond, Indiana.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year.

MUMS THE WORD

We have many thousands of plants in 2 1/4 in. pots, of such varieties as Appleton, Miriam Hankey, Nellie Pockett, Wm Duckham, Cheltoni and other Standard kinds that we are offering at \$3.00 per hundred, \$25.00 per thousand.

We will also quote special price on **Singles** of which we have some 90 varieties. We will give you a good selection of colors in as many varieties as you wish at \$5.00 per hundred.

Our Special Commercial Novelty for this year is Yellow Ivory.

This, we can give immediate delivery on, 2 1/4 in., at \$15.00 per hundred.

CHARLES H. TOTTY
Madison, New Jersey

SURPLUS!

Low Prices, to clear-up quick! Fine, thrifty stuff. All in 2 1-2 inch pots

ROSES

	Per 100	Per 1,000
600 Anny Muller	\$ 3.50	\$ 30.00
600 Anne de Diesbach....	3.00	27.50
7,000 Alberic Barbier.....	3.00	25.00
600 Caprice	3.00	27.50
300 Coquette des Blanches	3.50	30.00
800 Clio	3.50	30.00
200 Clothilde Soupert.....	3.00	25.00
2,000 Flower of Fairfield (Everblooming Crim- son Rambler).....	10.00	100.00
300 Francois Levet.....	3.00	27.50
300 Gen. Jacqueminot.....	3.50	30.00

2,000 Goldfinch (Improved Yellow Rambler)...	3.50	30.00
500 Gen. Washington.....	3.50	30.00
10,000 Hiawatha	3.00	27.50
600 Leone Lamesch.....	4.00	35.00
400 Magna Charta.....	3.50	30.00
200 Mrs. John Laing.....	3.50	30.00
200 Mme. Georges Bruant	4.00	35.00
500 Oakmont	3.50	30.00
500 Princess Adelaide Moss	4.00	35.00
8,000 Philadelphia Rambler	3.00	25.00
300 Queen of the Prairies	3.00	25.00
300 Safrano	3.00	25.00
8,000 Veilchenblau (Blue Rambler)	10.00	100.00

7,000 White Dorothy Per- kins	8.00	75.00
200 Wichuraiana (type) ..	3.00	25.00

ODDS AND ENDS

	Per 100	Per 1,000
1,000 Asparagus Plumosus Nanus	\$ 2.50	\$ 22.00
1,000 Asparagus Sprengerii	2.00	18.00
1,000 Hibiscus "Peachblow"	2.75	22.50
1,000 Jerusalem Cherry.....	2.75	22.50
1,500 Palm Kentia Belmore- ana	7.00	60.00

Guaranteed First Class Stock; unsold Roses will be planted out in our Nurseries; write quick, or, better, wire. One week only!

JACKSON & PERKINS COMPANY, Florists and Nurserymen (Wholesale Only), NEWARK, NEW YORK

GARDENIAS

2 1/4-inch pots, \$7.00 per 100; 3-inch pots, \$12.00 per 100; 4-inch pots, \$20.00 per 100.

CANNAS—Gladiator. Green foliage, yellow flower, spotted with red. Wyoming. Bronze foliage, red flower. Louisiana. Green foliage, red flower. Assorted Cannas. Good standard varieties. The above in 4-inch pots, \$1.00 per dozen, \$8.00 per 100.

Asparagus Plumosus Seedlings, \$1.00 per 100, \$10.00 per 1000.

Asparagus Sprengerii Seedlings 50 cents per 100, \$5.00 per 1000.

SMILAX 2 1/4-inch pots, \$2.50 per 100, \$20.00 per 1000.

A. N. PIERSON, Inc.

CROMWELL, CONN.

GLADIOLI

low and Orange, &c.

Brenchleyensis, Ceres, May, Pactole, Isaac Buchanan, La Marck, White and Light, Yellow and Orange, &c.

Lilies, Iris, Delphinium formosum, Cal-
las, Hyacinthus, Coopersias, Chlidanthus,
Amaryllis and other summer flowering
bulbs.

Send for prices.

E. S. MILLER Wading River
L. I., N. Y.

NEPHROLEPIS

Elegantissima Improved. Finest of this type; shows no tendency to revert to Boston. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen.

Superbissima. A very unique fern, with dark green foliage and of dense growth. Strong plants in 4-in. pots, \$3.00 per dozen; 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen.

Bostoniensis. 10-in., \$3.00 and \$4.00 each; 12-in., \$5.00 and \$6.00 each; larger specimens, \$7.50 to \$10.00 each—according to size.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON,
NEW YORK

FERNS FOR DISHES,

CASH WITH ORDER

4911 Quincy St., Chicago, Ill.

Assorted Varieties

From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

FRANK OEGHSLIN

ROSE PLANTS

Crimson Ramblers for growing on, 2 1/4-in. pots, \$4.00 per 100.

Hydrangea Otaksa for growing on 2 1/4-in. pots, \$4.00 per 100; \$35.00 per 1000.

Hardy English Ivy, 3-in pots, 2 leads, 12 to 24-in. long, \$8.00 per 100.

Chrysanthemum Plants, 2 1/4-in pots, \$3.00 per 100.

Button Daisies (Bellis Perennis), large clumps, \$3.00 per 100.

Bedding Plants, etc., prices on application.

J. WILLIAM COLFLESH

53rd St. and Woodland Ave., PHILADELPHIA, PA.

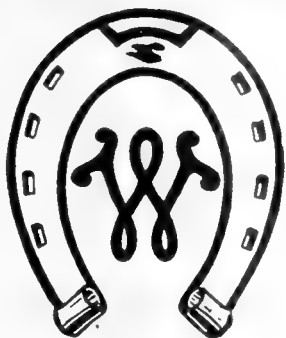
Those Desiring Wreaths

For Memorial Day. We can supply them if order is placed now. Price and sizes of same given on application. Made of Laurel or Lycopodium. Best **Fancy Ferns** to be had \$1.50 per M for Memorial Day. Write for price on any kind of NATIVE DECORATIVE MATERIAL, ETC.

H. J. Smith, Hinsdale, Mass.

In ordering goods please add, "I saw it in HORTICULTURE"

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD."

RALPH M. WARD & CO.

12 West Broadway, - - - New York

INCORPORATED.

York, Neb.—C. S. Harrison Nurseries.

Houston, Tex.—Alvin Japanese Nursery Co.; capital stock, \$225,000; incorporators, C. L. Bradley, Joe M. Sam and S. Arai.

Muncie, Ind.—Warfel Floral Co., capital stock \$10,000. Hiram Warfel, Lottie C. Warfel and Francis A. Shaw, directors.

Clarksburg, W. Va.—The Hayman Greenhouse Co.; capital stock, \$25,000; incorporators, N. J. Hayman, C. C. Jervis, C. H. Griffin, I. J. Coston of Clarksburg, and John C. Johnson of Bridgewater.

Cleveland, Ohio.—Schneider Floral Co., capital stock \$25,000. Incorporators, S. E. Kramer, E. S. Byers, C. D. Friebolinn, A. F. Counts, M. D. Calabrese.

NEWS NOTES.

Woodville, Pa.—P. Maier has purchased the greenhouse he has been running here.

Menlo Park, Cal.—Frank Roach of this place has purchased the Lynch Nursery, owned by the late Mr. Lynch.

Pittsfield, Mass., May 23.—When President Charles S. Mellen of the New Haven road went out for his morning walk in his gardens at Council Grove, Stockbridge, today he discovered that the men employed under William Donaldson in the gardens were working only nine hours and getting \$1.75 a day. Mr. Mellen protested against these hours, saying he had supposed they were working ten hours for that pay.

The result was that Mr. Mellen told Mr. Donaldson to quit at once, and likewise the others. Working under Gardener Donaldson were ten men. The men claim that they have been working for the past three years nine hours a day and they say that Mr. Mellen was apparently perfectly satisfied. They are looking for other jobs, and Mr. Mellen is looking for a new foreman.—*Boston Journal*.

GODFREY ASCHMANN

Is more active than ever

LOOK! BARGAINS!

I am ready to execute every order in bedding plants promptly; having 10 houses and an equal number of hotbeds, with every hole and crack full of bedding plants alone

Geraniums, double white, pink and red, in 4-in. pots, \$7.00 per 100.

Asters, Queen Victoria and other good varieties, 5 or 6 separate colors, 2½ to 2½-in. pots, \$3.00 per 100.

Canna Eisele, 4-in., \$7.00 per 100. Alphonse Bouvier, Bismark, Patty Gray, 2 to 4-in., \$7.00 per 100.

English Ivy, 4-in., 10c.

Lemon Verbenas, 4-in., \$7.00 per 100.

Begonia Erfordil, our well-known improved strain (5000 now ready), 4-in., \$8.00 per 100.

Begonia Vernon, dark and light red. Our so well-known improved strain from Zurich, Switzerland, introduced by us 4 years ago, which has given so much satisfaction all over America. Always in bloom. Stand the sun and all the dry weather. A bed of this novelty plant, once seen grown and same will speak for itself. When we plant our Begonias we plant 4 to 8 small seedlings in one pot and they are now grown big and bloom in 4-inch pots, at \$8.00 per 100.

Clara Bedman or Bonfire, in bloom (Scarlet Sage), 4-in., \$7.00 per 100.

Ageratum, dwarf blue, best variety, 4-in., \$7.00 per 100.

Fuchsias, assorted colors, 4-in., \$7.00 per 100.

Heliotropes, blue, 4-in., \$7.00 per 100.

Petunias, double, assorted, 4-in., \$7.00 per 100.

Lantanas, assorted, 4-in., \$7.00 per 100.

Vinca Variegata, 4-in., large, for vases or window boxes, 10c to 12c.

Primula Obconica (blue), in bloom, 5-in., \$2.00 per doz.

Dracaena Indivisa, 5 to 5½-in., 25c.

Crimson Rambler Roses, 7 to 8-in. pots, 75c, \$1.00, \$1.25 to \$1.50. Other ramblers, 6 to 7-in. pots, 35c and 50c.

Dorothy Perkins, one of the best new pink Ramblers, pot grown, 2 to 3 years old, 35c to 50c.

Kentia Belmoreana and Forsteriana, 4-in., 20c. Kentia Belmoreana, 3-in., 10c. Kentia Forsteriana, 6 to 7-in., 40 to 50-in. high and over, \$2.00, \$2.50 to \$3.00. Hydrangea Otaksa, in bud, 6-in., 25c, 35c to 50c.

Cobaea Scandens, 4-in., 10c.

All plants 25 at 100 rate. Cash with order, please. All plants must travel at risk of purchaser only. Watch our ad for Araucarias about May 10.

IN SMALL PLANTS

We have the following in 2½ to 3-in. pots, \$3.00 per 100:

Verbenas, assorted colors.

Phlox Drummondii, dwarf and grandiflora. French Dwarf Tagetes (the queen of the marigolds).

German Asters Queen Victoria, 4 or 5 separate colors, 2½-in.

Zinnia elegans.

German or Parlor Ivy.

Cosmos, assorted, white, red or pink (by name if desired).

Coleus, Golden Bedder, Verschaffeltii and Queen Victoria, fancy varieties, \$4.00 per 100.

Petunias, California, Dwarf Inimitable and Rosy Morn.

Sweet Alyssum, Carpet of Snow or Little Gem.

Tradescantia, two colors.

Thunbergia or Black-eyed Susan. Maranta Bachemiana.

Salpiglossis.

Lobelia Crystal Palace (blue), dwarf and trailing.

Cornflowers, assorted.

Parlor Ivy.

Centaurea Gymnocarpa (Dusty Miller). Echeveria 'glaucia', also large plants, \$4.00 and \$5.00 per 100.

Don't forget that we are the wholesale growers of the celebrated, world-wide known

IPOMOEA NOCTIFLORA (MOONVINE)

Pure white, rapid grower, very fragrant and earliest moonvine, with flowers as big as a saucer. Grows 50 feet and over in one season, with thousands of flowers on them. We have grown them for the past 25 years and have established a world-wide reputation, over 25,000 having been shipped all over the United States, Canada and Mexico. Price: 2½-in. pots, \$5.00 per 100; 3-in., \$8.00 per 100; 4-in., \$12.00 per 100.

Nephrolepis. We have the following to offer: Whitman, Boston, Scotti, medium size, 4-in., \$20.00 per 100. Schoelzell, medium size, 4-in., \$25.00 per 100.

1012
Godfrey Aschmann, W. Ontario Street, Philadelphia, Pa.
WHOLESALE GROWER, IMPORTER AND SHIPPER OF POT PLANTS

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

Now is the Time to Order Michell's Giant Strain Chinese Primrose and Cineraria Seed



Michell's Chinese Primrose

See our Ad. in last issue for full particulars

Now is the Time to Plant Fern Balls

to get nice plants for sale next Fall.

JAPANESE FERN BALLS

	Doz.	100	1000
Large size	\$3 00	\$20.00	\$225.00
Medium size	2.25	16.00	175.00

CYCAS REVOLUTA

Strong Healthy Trunks

25 lbs.	\$ 2 25
100 lbs.	8.00
300 lbs.	22 00 (original case)

Our Wholesale Catalogue free for the asking

HENRY F. MICHELL CO. 518-1018 Market St., Philadelphia, Pa.

Seed Trade

The Convention.

For several months it has been generally understood by the seed trade that the St. Charles Hotel, Atlantic City, N. J., had been selected as headquarters for the seedsmen at their convention to be held there June 21st, next. For some reason, however, which we have not ascertained, the hotel people cancelled the engagement they had made with the Seedsmen's Association, and the latter were compelled to cast about for new quarters. The Rudolf was recommended, and it was understood that several had engaged accommodations there; but while we do not wish to discredit the house in any respect, we would simply say to those who contemplate engaging quarters there, DON'T. There are reasons, chief of which is that it would be best for the trade so far as practicable to be at the Headquarters hotel and this new headquarters will be the Hotel Strand, as indicated by Secretary Kendel's communication which appears on page 819.

Wisconsin Pea Crop.

For the past two weeks, rumors have been on the wing to the effect that the pea crop of Wisconsin was in a very bad way. Some of these rumors are of a very sensational character, one stating that from 50 to 75 per cent of the crop of the state was a failure and that unless immediate replanting on a very extensive scale were resorted to, the pea pack of the state would be very short. In order to ascertain the exact facts, several telegrams were sent to leading packers of the state representing all sections, and their answers are herewith given:

Columbus, Wis., May 19, 1910.

Alaskas fair; some damage by frosts, late varieties show good stand but it is too early to make predictions; no replanting necessary in this vicinity. Columbus Canning Co.

Eau Claire, Wis., May 19, 1910.

Pea crop very backward account drought; do not look for much of a crop on about one third of our acreage. Had fine rain Monday and with favorable conditions should get fair crop on balance acreage; have fair stand; will not replant; conditions, sweets, Alaskas about same, cannot estimate yield.—Lange Canning Co.

Sturgeon Bay, Wis., May 19, 1910.

All peas in this section backward about coming up are now showing strong healthy growth; nothing damaged either by frost or wet weather. Alaska peas up about three inches. Sweet peas not yet out of the ground; do not know anything about conditions outside of our county.—Reynolds Presv. Co.

Wausau, Wis., May 19, 1910.

Present condition of pea crop is excellent; no replanting necessary or thought of anywhere in state to my knowledge. We only plant ten per cent. sweets; present outlook is for large yield but season will be short making poor quality.—Geo. Chatham.

They show very conclusively that there was absolutely no foundation for the sensational reports, and that, as a matter of fact, conditions are exceedingly favorable. There is only one feature which is unsatisfactory to the canner, and that is that owing to the cold, backward weather, the early plantings made very slow growth and instead of maturing for canning in about the order in which they were planted, many of the later plantings will come in at the same time as the earlier ones, thus cutting short the season and quite possibly the total pack, as it will be impossible for the canners to take care of the peas as fast as they mature under such conditions. Another factor is, there is likely to be a large percentage of the larger sizes or as it might be termed, a pack of poor quality.

What has been said about the canners of peas, no doubt applies equally to those planted for seed purposes. Thus, altogether we may consider that the pea crop both in Michigan and Wisconsin, whether for canning or for seed purposes, is in very excellent condition and unless some calamity overtakes it before maturity, there is every indication of a large pack of canned

peas as well as a large crop of seed peas.

Other Crop Notes.

The planting of sugar corn is now proceeding both East and West. In fact, we are informed that considerable seed has already been planted and some of it is up. But it cannot be said that the weather, up to within the past few days, has been very favorable for corn. Since the latter part of last week, however, weather conditions had been much more favorable for corn and beans, and it may be added here that the latter are also being planted to a considerable extent.

No important crop news has been received from Europe within the past two weeks and matters may be accepted as being in about the same condition as when last reports were made.

Counter trade continues remarkably active and will no doubt last well into June, and the predictions made early in the winter that this would be a banner year for the trade, we think will be fully realized.

Price Advances Abroad.

The following will prove of interest to a number of your readers and will give them a clearer insight why crops may run short and reasons for price advances abroad. Under date of May 7th, 1910, Messrs. Wm. Fromow & Sons, Windlesham, Surrey, England, write us: "So very much depends upon the weather obtaining here during the summer months as to what progress the plants themselves make; at the present time the outlook is not very favorable, although we are hoping for better times.

"The spring has been thus far very cold and wet and we are experiencing frost almost every night, which may very considerably diminish our stocks, and we gather that this kind of weather is obtaining all over the country, and this will to a very large extent influence the prices."

Messrs. Fromow & Sons are very ex-

tensive growers of roses and nursery stocks. Very truly yours,
AUGUST ROLKER & SONS.
New York.

Notes.

Henry Nungesser, Hoboken, N. J., returned from Europe last week on the S. S. Kronprinzessin Cecelie in his usual good health, after a pleasant trip.

It is given as the opinion of onion set growers in the vicinity of Chicago that the acreage is larger than usual and that if there are no further severe frosts the crop will be a large one.

"Buds," the new seed and supply store lately established on Barclay Street, New York, seems to be getting a substantial share of the local trade for which their stand is favorably located and Mr. Gloeckner is very well pleased with results thus far.

GEORGE C. WATSON SEEDSMAN

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Philadelphia Representative:
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High Grade Seeds, Bulbs and Plants

Give us a call

CARL R. GLOECKNER, Pres.

VEGETABLE PLANTS

Per 100 Per 1000

CABBAGE—All Head Succession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 2 c. \$1.00
10,000 and over 5 cts. per 1,000

EGG PLANTS — Black Beauty and New York Improved 40c. 2.00

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BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS 79 and 81
FLOWER SEEDS Get Our Prices E. KINZIE STREET, CHICAGO

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Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

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10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to-day for full information.
B. G. PRATT CO., Manufacturing Chemists,
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Price list free on request.

Joseph Breck & Sons Corp.
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LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
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SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

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For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

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KENTIA SEED. New Crop just received from Australia

K. Belmoreana and Forsteriana at \$5.00 per 1000 Seeds

Canterburyana at \$25.00 per 1000 Seeds

We are booking orders now for Harrisii and Formosum and other Japan Lilies, also Roman Hyacinths and Paper White Narcissus.

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33 Barclay Street
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NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

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CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

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Blue List of Wholesale Prices mailed only to those who plant for profit.

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Stocks, Asters, Chinese Primulars, etc.

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FOR THE
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DON'T FORGET

to give us a trial on Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.

We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.**, 1215 Betz Bldg., Philadelphia, Pa.
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Flowers or Design Work

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ON TELEGRAPHIC ORDER

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Corry, Pa.—Milton Caldwell, Traction office.

New York, N. Y.—Max Schling, 23 West 59th street.

Washington, D. C.—Leapley & Meyer, 905 G street, N. W.

Lewiston, Me.—Ernest Saunders, Lisbon street; to be in charge of Miss Brace W. Barker.

St. Louis, Mo.—The Paris Floral Co., La Salle Building, Broadway and Olive streets; Fred Foster, manager.

STEAMER DEPARTURES

Atlantic Transport.

Minnetonka, N. Y.-London..May 28

Cunard.

Ivernia, Boston-Liverpool...June 7

Carmania, N. Y.-Liverpool..May 28

Mauretania, N. Y.-Liverpool..June 1

Pannonia, N. Y.-Medit'r'n..June 2

French.

La Touraine, N. Y.-Havre..June 2

Hamburg-American.

Deutschland, N. Y.-Hamb'g..May 28

Pres. Lincoln, N. Y.-H'mb'g..June 1

Oceana, N. Y.-Hamburg...June 2

Amerika, N. Y.-Hamburg...June 4

Leyland.

Cestrian, Boston-Liverpool..June 1

North German Lloyd.

Krip'z Wilh'm, N. Y.-Br'm'n..May 31

Prinzess Alice, N. Y.-Br'm'n..June 2

K. Wilhelm II, N. Y.-Br'm'n..June 7

Barbarossa, N. Y.-Medit'n..May 28

Berlin, N. Y.-Medit'n...June 4

Red Star.

Kroonland, N. Y.-Antwerp..May 28

Finland, N. Y.-Antwerp...June 4

White Star.

Cedric, N. Y.-Liverpool.....May 28

Arabic, N. Y.-Liverpool.....June 4

Adriatic, N. Y.-S'hampton..June 1

Zeeland, Boston-Liverpool...May 31

PERSONAL.

Herman Weiss is now with Chas. Millang, New York, N. Y., having left A. L. Young.

James J. Curran has taken charge of the growing for John Reck & Son, Bridgeport, Conn.

R. Kapling, retail florist on Massachusetts avenue, Boston, was married on May 9th to Miss Rose Pearlstein.

Winfield Seaman is now foreman and decorator for M. J. Leach & Sons, 20 Broad street, Pawtucket, R. I. He was formerly with J. H. Cushing of Quindnick.

Earl Bavier is now in charge of the flower department of the department store of L. Dimmond & Son, Providence, R. I. He was formerly with J. H. Cushing of Quindnick.

Carl Ulander, who has been employed at the Swinbank Greenhouses, Sycamore, Ill., is planning to leave for a trip to Sweden about the first of June. He may conclude to again make his permanent residence in his native country.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardspar.

YOUNG & NUGENT

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"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
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Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
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BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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Order direct or buy from your local supply dealer. Insist on having the

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NEW ENGLAND**FLOWER DELIVERIES**

Send flower orders for delivery in Boston and all New England points.

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THE BOSTON**CUT FLOWER CO.**

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.

Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

ROSENS48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGEDana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**

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LEADING FLORIST
ALL ORDERS PROMPTLY EXECUTED**Florists' Refrigerators**

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

153 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

Thomas F. Galvin of Boston, will sail for Europe on June 15, and will visit the chief cities in Great Britain and on the Continent. Mr. Galvin is much interested in M. A. Patten's new variegated seedling carnation, Mrs. Clarence W. Barron, which he considers the best ever introduced in its class and while abroad expects to arrange for its dissemination in the principal centres.

A STRIKING WINDOW.

The accompanying illustration shows a clever use of the sensation of the hour to attract attention to the flower window of W. J. Palmer & Son, on Main street, Buffalo. The display drew

a crowd continuously. The interest was heightened by changing the position of comet and earth from day to day in accordance with the movements of the originals as reported in the daily papers.

WASHINGTON PERSONALS.

John Robertson has moved his effects from 1510 H. St., N. W., to 2010 P St., N. W., and seems much pleased at his present location.

Leapley & Meyer have opened a retail flower store at 907 G St., N. W., and report themselves as well pleased with their outlook. Both gentlemen have been in the employ of F. H. Kramer for several years and should be well fitted for their undertaking.

G. E. Anderson of Ballston, Ia., has been engaged to succeed Peter Bisset at Twin Oaks, the estate of the late Mrs. Hubbard.

OBITUARY.**F. Lincoln Chandler.**

F. Lincoln Chandler of South Lancaster, Mass., died at the Insane Hospital, Worcester, Mass., on May 22, aged 47 years, of neuritis. "Link," as he was companionably known, succeeded to the florist business established by his father, G. F. Chandler, in the 40's, after the death of the latter two years ago. Three sisters are the only survivors and the business will be discontinued after Memorial Day.

NEWS NOTES.

Farmington, Conn.—Mrs. Keep has purchased the greenhouses and business of George D. Mason on Canal street.

Catonsville, Md.—Lawrence Kinder has sold his place and taken a position with Mrs. Mary Johnston, it is rumored.

Hackensack, N. J.—H. Kuhnert &

Son, florists, located in the Hamilton Building, suffered a considerable loss when that building was burned to the ground recently.

Cambridge, Mass.—Bert Connell, who has had charge of the Harvard Square floral business, has bought out Mr. Delay and will continue the business; also the store at Mt. Auburn street car station.

"FLOWERS BY TELEGRAPH."**Leading Retail Florists Listed by Towns for Ready Reference.**

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heinel.
Toronto, Can.—J. H. Dunlop, 96 Young St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

June Weddings and Commencements

Beauties. Best \$3.00 per dozen.

Killarney, Maryland, Richmond
\$6.00 per 100. Good stock.

Valley, Cattleyas, S. Peas

Our supply is hard to beat in that line

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want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

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MANUFACTURERS
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Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE
45-47-49 Wabash Ave., Chicago.

Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

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WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw HORTICULTURE."

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO May 24	TWIN CITIES May 24	PHILA. May 24	BOSTON May 26
ROSES				
Am. Beauty, Fancy and Special...	40.00 to 50.00	30.00 to 35.00	17.50 to 20.00	18.00 to 25.00
" Extra.....	30.00 to 40.00	20.00 to 30.00	15.00 to 18.50	12.00 to 15.00
" No. 1.....	20.00 to 30.00	15.00 to 20.00	10.00 to 12.00	8.00 to 10.00
" Lower grades.....	10.00 to 20.00	10.00 to 15.00	8.00 to 8.00	3.00 to 8.00
Bride, 'Maid, Chateaux, F. & S.....	6.00 to 8.00	6.00 to 8.00	..... to 10.00	5.00 to 8.00
" Lower grades.....	4.00 to 6.00	3.00 to 6.00	2.00 to 8.00	1.00 to 3.00
Killarney, My Maryland, Fan, & Sp.....	6.00 to 10.00	8.00 to 10.00	..... to 10.00	6.00 to 12.00
" Lower grades.....	5.00 to 6.00	5.00 to 8.00	8.00 to 8.00	1.00 to 3.00
Richmond, Fancy & Special.....	6.00 to 10.00	6.00 to 8.00	..... to 12.00	6.00 to 10.00
" Lower grades.....	4.00 to 6.00	4.00 to 6.00	2.00 to 5.00	1.00 to 3.00
CARNATIONS, Nov. and Fan.				
Ordinary.....	4.00 to 5.00	2.00 to 3.00	5.00 to 6.00	3.00 to 4.00
"	2.00 to 3.00	1.50 to 2.00	2.00 to 4.00	1.00 to 2.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	50.00 to 60.00	40.00 to 50.00	40.00 to 50.00
Lilies.....	10.00 to 15.00	10.00 to 12.50	8.00 to 12.50	8.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	1.00 to 3.00
Daisies.....	.50 to 1.00	.75 to 1.25	1.00 to 1.50	.50 to 1.00
Snapdragon.....	3.00 to 5.00	6.00 to 8.00	3.00 to 12.50	2.00 to 4.00
Peonies.....	6.00 to 8.00	..... to	4.00 to 10.00	4.00 to 8.00
Mignonette.....	3.00 to 6.00	4.00 to 5.00	1.00 to 3.00	.75 to 1.00
Sweet Peas.....	.75 to 2.00	1.00 to 2.00	.50 to 1.00	.25 to 1.00
Gardenias.....	20.00 to 25.00	20.00 to 30.00	5.00 to 25.00	8.00 to 12.00
Adiantum.....	..... to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.50
Smilax.....	12.00 to 15.00	12.00 to 15.00	20.00 to 25.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	45.00 to 60.00	35.00 to 50.00	..... to 50.00
" " & Spreng. (100 bchs.)	20.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 50.00

FLOWERS AND GREENS!

In our **GREEN DEPARTMENT** we have New Crop Dagger and Fancy Ferns, \$1.50 per 1000 Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

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Flower Market Reports.

BOSTON The market four days before Memorial Day is badly congested with badly blown and unsalable flowers which the hot weather of the past 48 hours has forced into bloom. Much of it bears unmistakable signs of age and undoubtedly has spent more or less time in the cellar in a futile effort to make it hold over for the holiday demand. Anything cut or ready to be cut up to present time is put out of commission entirely. Among the debris are roses, carnations and tulips especially. Peonies are coming in strong from points south of here and will be a great help in the peculiar emergency which the florist has to face this year in his Memorial Day work, although the local supply will not be ready for several days yet. Reports from all sides indicate that, with both wholesalers and retailers, the amount of advance orders is larger than ever before.

On Monday, May 16, **BUFFALO** trade opened up bright, but only continued for a day. From Tuesday to Saturday the weather turned hot and an enormous supply of stock came in, especially roses and outdoor material, lilac, both pink and white, tulips of fine quality and narcissi, single and double, but everything had to be forced and prices are on decline. Saturday was looked as clean-up day, but threatening weather kept away the cemetery florists and consequently a good portion was carried over. Carnations came in more plentifully, peonies were to be had but with no demand, peas were an over-supply with no outlet, roses a flood and with a summer heat to contend with, the wholesalers looked everything but pleasant. Monday opened with a red hot day and stock coming in heavy. Trade inactive, though orders are coming in and a good general house cleaning is looked for by the end of week.

The opening days of **CHICAGO** the week ending May 22nd, were good ones and stock went lively but after this the market was dull, and the last of the week found the refrigerators too well filled. A rainy Monday beginning the new week did not tend to improve the situation. Flowers will not be of the best of quality on account of the hot weather followed by rain and there will be considerable stock to be placed on the market at cheap prices. At this writing, May 24th, the market is full and business slow. The weather is going to have much to do with the quantity of good stock, and the forecast is not favorable. Quite a difference of opinion prevails regarding carnations, some growers thinking the supply will be far short of the demand for good stock. Peonies are barely in sufficient supply for present needs, Gladioli are more plentiful and the beautiful red Frances King is king of the market this week. Among the miscellaneous stock the corn flower is very prominent. W. A. Reiman of Vincennes, Ind., is sending in some of the best peonies that are coming into the market.

Business is moving along **DETROIT** at a rapid gait with prices firm, even though supply is greatly enhanced in quantity



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Luxury and exclusiveness in Florists' Ribbons are a special feature of the P. M. business. For weddings and commencements we call special attention to the



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which we carry in many grades and patterns such as: 701, 697, orchid, Beauty, 697, 721, 639, etc., but the finest and most appropriate for the above is

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Width No. 22.....	\$1.30
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We are also strong on Patterns Killarney, American Beauty, Maryland and orchid and call particular attention to our

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WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	May 24		May 24		May 24		May 24	
ROSES								
Am. Beauty, Fan, and Sp.....	20.00	to 25.00	22.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra.....	15.00	to 20.00	19.00	to 21.00	15.00	to 20.00	12.00	to 15.00
" No. 1.....	10.00	to 15.00	15.00	to 18.00	8.00	to 10.00	6.00	to 10.00
" Lower grades.....	4.00	to 8.00	3.00	to 10.00	2.00	to 4.00	3.00	to 4.00
Bride, 'Maid, Chateau, F. & S.....	4.00	to 6.00	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00
" Low. gr.....	2.00	to 4.00	4.00	to 8.00	2.00	to 8.00	4.00	to 6.00
Killarney, My Maryland, Fan & Sp.....	4.00	to 6.00	3.00	to 10.00	8.00	to 10.00	8.00	to 12.00
" Lower grades.....	2.00	to 4.00	4.00	to 8.00	2.00	to 8.00	4.00	to 6.00
Richmond, Fancy & Special.....	4.00	to 6.00	8.00	to 10.00	8.00	to 10.00	8.00	to 12.00
" Lower grades.....	2.00	to 4.00	3.00	to 8.00	2.00	to 8.00	4.00	to 6.00
CARNATIONS, Novelties and Fancy								
" Ordinary.....	2.00	to 3.00	2.00	to 3.00	1.50	to 2.50	4.00	to 6.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	60.00	to 75.00	50.00	to 75.00	.....	to 75.00
Lilies.....	8.00	to 10.00	12.50	to 15.00	8.00	to 12.00	10.00	to 12.00
Lily of the Valley.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Daisies.....	.....	to .35	75	to 1.50	1.00	to 2.00	1.00	to 2.00
Snapdragon.....	.....	to .75	2.00	to 6.00	5.00	to 8.00	4.00	to 8.00
Peonies.....	4.00	to 6.00	.....	to 8.00	5.00	to 8.00	4.00	to 10.00
Mignonette.....	.....	to .75	3.00	to 6.00	2.00	to 3.00	1.50	to 4.00
Sweet Peas.....	25	to .75	.50	to 1.00	.50	to 1.00	.50	to 1.00
Gardenias.....	.....	to 1.00	20.00	to 25.00	15.00	to 20.00	.....	to 20.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.50	to 15.00	15.00	to 15.00	15.00	to 22.00	15.00	to 20.00
Asparagus Plumosus, strings (10c).....	25.00	to 35.00	30.00	to 50.00	50.00	to 60.00	30.00	to 50.00
" " & Spreng (100 bchs.).....	.....	to 25.00	30.00	to 50.00	25.00	to 50.00	30.00	to 50.00

as compared with a few weeks back. There is a good deal of complaint about Spanish iris which do not seem to bloom very evenly; some growers estimate only 70 per cent. of the bulbs bearing flowers.

NEW ORLEANS Very little business is being done in the stores at present. Gladioli and sweet peas are both good and plentiful and enjoy a fair demand. Roses and car-

nations have still to be carried in stock, but the demand for them is light. Nearly every householder has Easter lilies in bloom in his own yard, consequently the call for these at the stores is light. There are plenty of Cattleya Gaskelliana to be had and not many go to waste. The trade in cemetery bunches continues pretty nearly up to the mark.

(Reports continued on page 832)

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Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only					
ROSES AND CARNATIONS		Last Half of Week ending May 21 1910		First Half of Week beginning May 23 1910	
American Beauty, Fancy and Special.....	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
" " Extra.....	8.00 to 12.00	8.00 to 12.00	8.00 to 12.00	8.00 to 12.00	8.00 to 12.00
" " No. 1.....	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00	.50 to 2.00	.50 to 2.00	.50 to 2.00
Killarney, Fancy and Special.....	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00	3.00 to 8.00
" " Lower Grades.....	.50 to 2.00	.50 to 2.00	.50 to 2.00	.50 to 2.00	.50 to 2.00
Richmond, Fancy and Special.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
" " Lower Grades.....	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00	1.00 to 3.00
Hy Maryland.....	1.00 to 8.00	1.00 to 8.00	1.00 to 8.00	1.00 to 8.00	1.00 to 8.00
Carnations, Fancy and Novelties.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
" Ordinary.....	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00

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THE WHOLESALE FLORIST OF NEW YORK
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 FLOWERS.**
 CONSIGNMENTS SOLICITED.

Flower Market Reports

(Continued from page 831)

This market is in a NEW YORK state of congestion, consequent, in part, upon the sudden hot term, following a protracted period of cool weather. As to the quality of the material in sight not much can be said that is favorable. On some things which are in over-stock at present writing stiff prices are quoted for later delivery, but there is very little of the stock which is now ready that can be held back until it is needed. The peony is in the height of its glory and easily leads the procession as to quantity and quality. Stocks and lilies are also very fine.

Contrary to pre-
PHILADELPHIA vailing conditions for many weeks past, last week had a poor wind-up—consequent on a few warm days, and the influx of both greenhouse and outdoor stock. Much of both was rather soft and that accentuated the unfavorable situation. Carnations were probably the worst sufferers of all from the sudden change. Outside of this, the volume of business for the week was a fair average. That is, there was as much business as last year; but at lower prices. This, of course, is a sure index that production is more than keeping pace with consumption. And it would have been much worse if we had not been favored by Providence with cool weather during three-quarters of May. The American Beauty market held its own about as well as any one item, but we hear of several good-sized accumulations that were sold very cheap by Saturday. Richmonds and Liberties both showed up in good shape—the former especially. Good authorities claim that Richmonds have never before been seen on this market in such fine condition at this season of the year. Among the white roses there is nothing at present that can beat Kaiserin. Being treated as a H. P. gives this variety a big advantage in strong shoots and grand substance. Sweet peas came in in strong force; but held their own fairly well as to price. This good showing will be of short duration, however, as we hear of outdoor stock already, and another week or so will make these latter a big factor. Peonies are opening up fast and will be a strong factor for Memorial Day orders. The last few days have seen a big transformation in the forwardness of this crop. Locally (May 23), they are all coming with a rush. Orchids very good, demand rather slow. Principal offerings: Mossiae, Gaskelliana, Jamesianum. Lily of the valley market in excellent shape and no over-stock. Gardenias are very good, but for some reason the demand for same does not seem to be at all lively at present. Gladioli a good, strong feature—America in the Gandavensis and Blushing Bride and Peach Blossom in the miniature type.



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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 21 1910		First Half of Week beginning May 23 1910	
Cattleyas.....	35.00	to 60.00	35.00	to 60.00
Lilies.....	2.00	to 5.00	2.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Peonies.....	4.00	to 6.00	4.00	to 6.00
Mignonette.....	1.00	to 8.00	1.00	to 2.00
Sweet Peas (per 100 bchs).....	4.00	to 6.00	4.00	to 6.00
Gardenias.....	3.00	to 12.00	3.00	to 10.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Spreu. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

The unusually cold WASHINGTON spell that has prevailed for about ten days was succeeded by several heated days. On the afternoon of the 24th of May a very severe rain and wind storm swept over Washington, doing a great deal of damage to trees, both large and small. Business is very sluggish, there being a small demand for anything but cheap grade of flowers. Peonies are over-plentiful, likewise carnations.

PHILADELPHIA NOTES.

The rose and peony show of the Pennsylvania Horticultural Society has been finally scheduled for Wednesday, June 1st, opening at 2 p. m.

George Craig, Pennock Bros., and M. C. Dunn had the principal floral pieces at the King Edward memorial services on the 20th at Saint Mark's. The floral offerings were not quite so lavish as on the occasion of the Victoria services, some nine years ago. Nevertheless, they were very well done, appropriate and in good taste.

Chas. Pappas, who succeeded N. B. Gachor at the Broad St. Station flower stand, about middle of last April, reports improved and increasing business right along. Mr. Pappas is an enterprising retailer and not afraid to carry good stock and plenty of it. That latter feature alone is a strong factor in the success of a business of this kind.

Commodore Westcott announces the date of the annual opening of the Waretown Rod and Gun Club on Barnegat Bay, as June 24th. The club house has been newly painted and renovated, and everything put in order for the send-off. The Commodore himself is in good health and ready to welcome his guests with all his old-time heartiness and simplicity. Gold and silver and fine linen and sport are good things, but where would their savor be without the Commodore—and the glorious and distinguished company he can gather around him to enjoy them?

Visitors: Ira G. Marvin, Wilkes-barre, Pa.; John Cook, Beverly, N. J.; De Forest Ludwig, Allegheny, Pa.

IN BANKRUPTCY.

San Francisco, Cal.—Wm. H. Oakes, proprietor of the International Eucalyptus Nurseries Co.; liabilities, \$10,768.15; assets, \$2,247.

Fairbury, Ill.—Kring Bros., florists, are changing all of their houses from hot water heat to steam, and will heat them all from one central plant.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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Achyranthes, Lindenii and Wallacel, 2-in., \$2.00 per 100; 2½-in., strong, \$3.00 per 100. Newton Rose Conservatories, Newtonville, Mass.

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Strong Rooted Cuttings. Per 100 Per 1000
P. Major (red)..... \$0.50 \$4.00
A. Nana (yellow)..... .50 4.00
Brilliantissima (best red)... .60 5.00
R. R. DAVIS & CO., Morrison, Ill.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, 2½ inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 and Plumosus, \$25.00 per 1000. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

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Yokohama Nursery Co., 31 Barclay Street, New York.
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Per 100

Begonia Vernon, 3 inch, in bloom... \$5.00
Petunia, Dreer's, Double, 4 inch..... 8.00
Petunia, Dreer's, Single, 4 inch..... 5.00
Vinca, Var., 4 inch..... 10.00

The following in 2½ and 3 in. fine stock, at \$2.75 per 100: Alternantheras, red and yellow; Mme Salleron Geranium; Centaurea (Dusty Miller); Lobelia Crystal Palace; Verbena Mammoth Mixed; English Ivy; Celosia Cristata and Cockcomb; Snapdragon Majus large; Pennisetum or "fountain grass"; Vinca rosea and Periwinkle.

Asparagus Sprengerii and Smilox, 2 in., \$2.00 per 100, \$18.00 per 1000.
Pansies and Myosotis in bloom, \$1.50 per 100. WM. ESCHRICH & CO., No. Milwaukee, Wis.

Zinnias from 2 inch pots \$1.00 per 100. Madam Salleron Geraniums from 2½ inch pots \$3.00 per 100. J. B. Shurtleff, Cushman Ave., Revere, Mass.

BEDDING PLANTS—Continued

Bedding Plants. Geraniums in bud and bloom, Nutt, Trego, La Favorite, Viand. Jaulin, Poitevine, 3½ in., \$6.00 per 100; Heliotropes, 3½ in., \$6.00 per 100; Fuchsias, best market varieties, including Little Beauty, 2 and 3½ in., \$2.50 and \$6.00 per 100; Salleron Geraniums, Abutilon Savitzli, Parlor Ivy, White Marguerite Daisies, 3 in., \$5.00 per 100; Begonia Semperflorens, Vernon, Erfordl, Vesuvius; Ageratum Gurney, 3 in., \$4.00 per 100; Verbenas, Dusty Miller, Blue Lobelias, Achyranthes Lindenii, 2½ in., \$2.50 per 100; Alternantheras, red and yellow, 2 in., \$2.00 per 100; Hardy blue Forget-me-nots, heavy clumps, \$2.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

Achyranthes, Coleus, of all varieties, 2-in., \$2.00 per 100; 2½-in., strong, \$3.00 per 100. Heliotropes, 4-in., \$6.00 per 100. Cash. Newton Rose Conservatories, Newtonville, Mass.

BEGONIAS

Thomas Roland, Nahant, Mass.
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Begonia Lorraine and Agathe, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

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Rickards Bros., 37 East 19th St., New York.
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H. E. Flske Seed Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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"Buds", New York, N. Y.
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CANNAS

A. N. Pierson, Inc., Cromwell, Conn.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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J. D. Thompson Carnation Co., Joliet, Ill.
For page see List of Advertisers.

CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CEMETERY VASES

E. H. Hunt, Chicago, Ill.
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CHRYSANTHEMUMS

J. D. Thompson Carnation Co., Joliet, Ill.
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Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.
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Charles H. Totty, Madison, N. J.
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Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

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CHRYSANTHEMUM ROOTED CUTTINGS
WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonnafton, Y. Eaton, Cremona, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list.

Wm. Swayne, Box 215, Kennet Sq., Pa.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

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CHRYSANTHEMUMS—Continued

Gloria, 100 \$2.50; Pres. Taft, Mrs. W. E. Kelly, 100 \$3.00; Golden Glow, Pacific Supreme, White Cloud, 100 \$1.25. Rooted cuttings prepaid. Gloria, 2½ in., \$3.00 Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CLEMATIS

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

COLEUS

J. E. Felthousen, Schenectady, N. Y.
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OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen Giganteum, extra well grown plants from 2½ in. pots, \$5.00; from 3 in. pots, \$7.00 per 100. Paul Mader, East Stroudsburg, Pa.

Cyclamens—finest stock—in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Acto, N. J.

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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia Klug, E. Bridgewater, Mass.

DAHLIA—big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Shasta Daisy Alaska, extra large, field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Godfrey Aschmann, Philadelphia.
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DRACENAS

A. N. Pierson, Inc., Cromwell, Conn.
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Dracenas, 5-in. pots, 20c. each; \$18.00 per 100. Suitable for vase filling. Cash. with order. The William Scott Co., Buffalo, N. Y.

Dracaena Indivisa, 6 in. pots, \$4.00; 5 in., \$3.00 per dozen. Strong plants. Vinca Variegata, 4 in. pots, \$1.50 per dozen; \$10.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins Rutherford, N. J.
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F. E. Conine Nursery Co., Stratford, Conn.
C. R. Burr & Co., Manchester, Conn.

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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.
Evergreen Brand Fertilizer.
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Wm. Elliott & Sons, New York, N. Y.
Clay's Fertilizer.
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Eastern Chemical Co., Boston, Mass.
Imp. Plant Food.
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FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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Rosens, 48 West 29th St., New York City.
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S. S. Pennock-Meehan, Philadelphia, Pa.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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H. M. Robinson & Co., 15 Province St.
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GARDENIAS

A. N. Pierson, Inc., Cromwell, Conn.
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Miss A. Washington, Alvin, Texas.
Cape Jessamines.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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F. W. Fletcher, Auburndale, Mass.
Delbert L. Vincent, Ionia, Mich.

Geraniums, S. A. Nutt, Beauty Pottevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornblirer, 6417 Carnegie Ave., Cleveland, O.

Geraniums, rooted cuttings of Riccard, Pottevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums, Riccard, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

E. S. Miller, Wading River, L. I., N. Y.
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GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Hitchings & Co., 1170 Broadway, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.
Pecy Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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In writing to Advertisers kindly mention Horticulture

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

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Hitchings & Co., 1170 Broadway, N. Y.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & E. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.

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Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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Rice Bros., Minneapolis, Minn.

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HEATING APPARATUS

Lord & Burnham Co.,

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Kroeschell Bros. Co., 466 Erie St., Chicago.

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Hitchings & Co., 1170 Broadway, N. Y.

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HELIOTROPE

Heliotropes, 4-in., in pots, \$6.00 per 100. Cash. Newton Rose Conservatories, Newtonville, Mass.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

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Henry A. Dreer, Philadelphia, Pa.

Garden Hose

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HOT-BED SASH

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Foley Mfg. Co., Chicago.

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Parshelsky Bros., Brooklyn, N. Y.

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INSECTICIDES.

Nicotinide kills all greenhouse pests.

P. R. Palethrope Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Kilmdead Tobacco Dust.

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B. G. Pratt Co., 50 Church St., New York.

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Aphine Manufacturing Co., Madison, N. J.

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E. H. Hunt, Chicago, Ill.

To-Bak-Ine Products.

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IRIS

E. S. Miller, Wading River, N. Y.

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IRIS The very best out of 500 sorts.

C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,

New York.

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KENTIAS

A. Leuthy & Co., Roslindale, Mass.

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Jos. Heacock Co., Wyncote, Pa.

Home-Grown, Established Plants.

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Bobblink & Atkins, Rutherford, N. J.

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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.

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LEMON VERBENAS

R. Vincent, Jr. & Sons Co.,

Whitemarsh, Md.

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LILIES

E. S. Miller, Wading River, N. Y.

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LILY OF THE VALLEY PIPS

Hjalmar Hartmann & Co., Langangstraede,

20 Copenhagen, Denmark.

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LOBELIAS

R. Vincent, Jr. & Sons Co.,

White Marsh, Md.

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MASTICA

F. O. Pierce Co., New York, N. Y.

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MEMORIAL DAY WREATHS

H. J. Smith, Hinsdale, Mass.

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NICO-FUME

Kentucky Tobacco Product Co.,

Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.

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W. & T. Smith Co., Geneva, N. Y.

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F. W. Kelsey Nursery Co., New York, N. Y.

Nursery and Florists' Products.

Bobblink & Atkins, Rutherford, N. J.

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Ellwanger & Barry, Rochester, N. Y.

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Bay State Nurseries, North Abington, Mass.

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C. R. Burr & Co., Manchester, Conn.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.

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ORCHID PEAT

Jos. A. Manda, West Orange, N. J.

ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids

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Carrillo & Baldwin, Mamaroneck, N. Y.

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Ordenez Bros., Madison, N. J., Box 105

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ORCHID PLANTS—Continued

Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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G. L. Freeman Co., Fall River, Mass.

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Arthur T. Boddington New York, N. Y.

Oncidium Importation.

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Alphonse Pericat, Collingdale, Phila., Pa.

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Jos. A. Manda, West Orange, N. J.

Wm. Stuart Allen Co., New York, N. Y.

Agent for Roehrs' Orchids.

Stuart Low & Co., Enfield, England.

J. A. Newsham, New Orleans, La.

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Orchids—largest stock in the country.

Stove plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &

Co., dissolved, Vale Bridge, Haywards

Heath, England. "White" Cattleyas and

Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-

liams. 300 illustrations, 800 pages; descrip-

tions of upwards of 2500 species and varie-

ties of orchidaceous plants, etc. The most

complete work on Orchids and orchid cul-

ture ever published. Price \$10.00. Orders

filled by HORTICULTURE, 11 Hamilton

Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.

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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse

Lead: Special Greenhouse Putty. Lord &

Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,

Roslindale, Mass.

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Robert Craig Co., Philadelphia, Pa.

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Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

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John Scott, Brooklyn, N. Y.

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A. N. Pierson, Cromwell, Conn.

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Palms. Latania borbonica, 5-in., good

stock, 18c. Gilbert Costich, Rochester,

N. Y.

PANSY PLANTS.

Pansy plants—choice, fancy, large plants

in bud and flower, \$8.00 per 1000. Union

Gardens, Amherst, Mass.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;

2 in., \$3. Shipped flat low freight rates.

Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.

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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

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PEONIES

PEONIES—1200 sorts, an enormous

stock. List ready. C. Betscher, Canal

Dover, O.

Peonies only, by the wholesale. Best 100

varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh,

Maryland.

Double Petunias.

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PHOTOGRAPHS

I make a specialty of photographing

flowers, plants, etc., for reproduction. Let

me submit samples and prices on material

for the next catalogue or circular. Special

work to order at reasonable prices. Nathan

R. Graves, 414 Hayward Bldg., Rochester,

N. Y.

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PHOTOGRAPHS: DESIGNING: ILLUSTRATING

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT HANGERS

M. Rice & Co., Philadelphia, Pa.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIVET

Amoor River, 18,000 12 to 18-in., well-branched, \$12.00 per 1000; 3000 30 to 36-in., heavy, \$25.00 per 1000. California, 23 000 12 to 18-in., 2 to 5 branches, \$10.00 per 1000; 4000 18 to 24-in., well-branched, \$12.00 per 1000. Cash with order. Valdesian Nurseries, Bostic, N. C.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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S. S. Pennock Meehan Co., Philadelphia, Pa.
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ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Dingee & Conrad Co., West Grove, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Roses, from 2 1/2 inch pots, fine stock. The following varieties at \$3.00 per hundred, \$25.00 per thousand, 25 plants of a kind at the hundred rate, 250 at the thousand rate:

A. Hippina	Bride
Bridesmaid	Bon Silene
Clothilde Soupert	Coq. de Lyon
Catharine Mermet	Crimson Rambler
Golden Gate	Mrs. Ben. R. Cant
Mad. Abel Chatenay	Mad. Joseph Schwartz
Mlle. F. Kruger	Safrano
White Bougere	

The following varieties at \$3.00 per hundred, \$27.50 per thousand:

Antoine Revoire	Climbing Kaiserin
Cl. Meteor	Cl. Malmaison
Etoile de Lyon	Gruss an Teplitz
Helen Gould	Hermosa
La France	Maman Cochet
Mad. de Watteville	Mad. Welche
Pink Cochet	Papa Gontier
Souv. de la Malmaison	White Cochet

	Per 100
Bismerschmidt	\$3.00
Climbing Killarney	4.00
Climbing Perle des Jardins	4.00
Dinsmore	3.00
Helen Good	3.00
Kaiserin Augusta Victoria	3.00
Killarney	3.50
Margaret Dickson	3.50
Mrs. John Laing	3.50
Mad. Masson	3.00
Mad. Chas. Wood	3.00
Marechal Niel	3.00
Perle des Jardins	3.00
Rhea Reid	3.50
Souv. de Pres. Carnot	3.00
Wellesley	3.00
Wm. R. Smith	3.00

The Good & Reese Co.
Largest Rose Growers in the World, Springfield, Ohio.

ROSES — Continued

Ellwanger & Barry, Rochester, N. Y.
Blue Rambler Rose.

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R. & J. Farquhar & Co., Boston, Mass.
Rose "Flower of Fairfield," Ever-Blooming
Crimson Rambler.

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J. Wm. Colflesh, Philadelphia, Pa.
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A. Farenwald, Roslyn, Pa.

The Rose by H. B. Ellwanger, mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

RUBBER PLANTS

Bobbink & Atkins, Rutherford, N. J.
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Young Rubber Plants, 2 1/2 in. pots, \$15.00 per 100. Order early, limited quantity. Bobbink & Atkins, Rutherford, N. J.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Laugangstraede 20, Copenhagen, Denmark.
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SEEDS

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, New York.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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STOCKS

Ten-weeks' stocks, white, dark blue, crimson, 2 1/4-in., \$2.00 per 100.
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A large stock of sweet potato plants now ready. Yellow Nansemond, Big Stem Jersey and Early Golden, \$1.25, 1000; \$10.00, 10,000. H. Austin Co., Felton, Del.

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WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00 per 1000. B. M. Wichers & Co., Gretna, La.

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MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.

This society is hard at work on Fall Flower Show to be held in the Whippany River Club building, Morristown, N. J. This building has a capacity equal to Madison Square Garden, New York City, and a supreme effort is being made to fill it. If all the societies that have signified their willingness to show with us should come up, we will be able to do it.

A move is now on to have the seedsmen and nurserymen make trade exhibits, such as garden tools, seeds and bulbs, designs, etc., evergreens in tubs, bay trees, box, etc. Someone might say the place is not central enough, but when one takes into consideration that the Whippany River Club is composed of several hundred of the best buyers in the country, and that every member stands sponsor for the success of the show and promise to bring their friends from a distance, it will be seen that an effort on the part of the seed and nursery trades to show their goods ought to bring results. Twenty of the leading people of Morris county have accepted appointments as honorary vice-presidents, and over two hundred have signified a willingness to be chosen honorary members. All this indicates the feeling towards our society and towards floriculture and horticulture in general. These people have liberally put up money for prizes and now it is up to us to give them a Flower Show in return. The Whippany River Club has chosen from its membership D. Hunter McAlpin, Dr. Leslie D. Ward, and Mr. Otto H. Kahn as a Flower Show Committee, to co-operate with the Gardeners' and Florists' Committee. This has already proved of great advantage all around.

At the last regular meeting of the society the rose growers had it all to themselves. They arranged the rose section for the final schedule. Harold B. Vyse exhibited some well done specimens of Saxifraga pyramidalis, for which he was awarded cultural certificate. John E. Lager of Summit lectured before the society on June 8 on "Orchid Culture."

E. R.

NEWPORT HORTICULTURAL SO- CIETY.

The regular meeting of this society which was held on the evening of May 24 was of more than usual interest on account of the Executive Committee's presenting its recommendations in connection with the Fall Exhibition. These recommendations include many changes that experience from other years had shown need for, so that the report was favorably received and adopted with few alterations. Chief among the changes is the limiting of space or number of samples in collections of vegetables and cut flower classes that used to be unlimited. This exhibition is to be held Sept. 17, 18 and 19, and it is very gratifying to see that there is a disposition on the part of the members to prepare to uphold the fame of the exhibitions of this society.

This meeting was made still more interesting by two fine specimens calceolaria plants in flower on the exhibition table. The larger one, which was of the well known Golden Gem variety was unusually well finished and was awarded the society's certificate of merit for superior culture. The other plant which was also well grown was the hybrid C. Stewartii, which has beautiful clear yellow flowers, similar in shade to the Golden Gem, but much larger. This was its first appearance before this society and it was awarded a first class certificate of merit. The exhibitors of both plants was James Bond, gardener for Mrs. H. M. Brooks.

Mr. Bond has at present a batch of the Stewartii variety which he rooted in February and which promised to be fine plants in full flower about the middle of June, and as other varieties of calceolarias may easily be brought into their prime about that time, why not have more of them about Memorial Day?

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTI- CULTURISTS.

Registration of Fern.

Public notice is hereby given that the American Rose & Plant Co. of Springfield, Ohio, offers for registration the Fern described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.

A sport from Nephrolepis Bostoniensis that is a great improvement over that variety, being of the same habit, but of somewhat more vigorous growth. Fronds six to eight inches in width. The edges of each pinnae are decidedly ruffled in wave-like undulation that is very distinctive. As the fronds mature the undulations become more pronounced, giving the individual fronds and the plant as a whole a marked wavy effect. Does not run back, the type being fixed.

Name, "Nephrolepis Roosevelt."

As no objections have been filed, public notice is hereby given that the registration of the Violet, "Marie Elise," by Thomas DeVoy's Son of Poughkeepsie, New York, becomes complete.

H. B. DORNER,

May 19, 1910.

Secretary.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—An experienced man for general greenhouse work, must be a sober and industrious man, or do not apply. State lowest wages for the summer, also where last employed. Address, Box 2925, Boston, Mass.

WANTED—A man of experience as a seedsman. A technical and practical knowledge are required, and good administrative ability is an absolute essential. Applications with recommendation of late employer may be addressed to T. J., care HORTICULTURE, Boston, Mass.

WANTED—Young man who thoroughly understands Orchids, and with experience with Sweet Peas, Carnations and Garden Stuff. Write giving full particulars as to experience to the Altimo Culture Co., Canfield, Ohio.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1062, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

WANTED—At once, a young man for general greenhouse work; must be a good willing worker; state wages expected. P. M. Olm, Bath, Maine.

WANTED—An assistant foreman in rose and carnation houses \$70.00 per month. Y. Y., care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED—By rose grower of long experience in commercial line. Capable of taking charge of a fair-sized place. Excellent references from good establishments. Understand grafting and propagating, also carnations, chrysanthemums and all work connected with management of up-to-date place. J. E. S., care HORTICULTURE.

WANTED—Position as a gardener and general superintendent on estate. Seven years in last position. Highest references. W. B. Jackson, care HORTICULTURE, 11 Hamilton Place, Boston.

FOR SALE

Opportunity of a Lifetime

FOR SALE—A well established money-making up-to-date wholesale commission company in Denver, Colo., dealing in Cut-flowers and Florists' Supplies. No competition. Only small amount of cash required.

Address communications to N. A. BENSON, 1360 So. Sherman Street, Denver, Colo.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR RENT

FOR RENT—27,000 ft. of glass in good condition and eight acres of land near Pittsburgh, Pa. Write at once if you mean business. Address C. K., care HORTICULTURE, Boston, Mass.

WHEN TO STOP ADVERTISING.

When buyers forget to forget—when competition ceases to compete; when every actual and prospective customer has been convinced that your product is the best of its kind and nothing better can be produced, then, and only then, will it be safe to get along without advertising.—Baker's Helper.

Until that time comes, HORTICULTURE can take care of your interests. If you want to sell to the best buyers in any branch of horticultural industry HORTICULTURE is unquestionably in the front rank as an advertising medium. Following are some fresh proofs:

"ALL SOLD OUT."

Horticulture Publishing Company, Boston, Mass.

Please take out our advertisement of roses. We are all sold out.

Montrose Greenhouses, Montrose, Mass.

May 10, 1910.

"HAD SPLENDID RETURNS."

May 17, 1910.

Please discontinue my ad., and I must tell you I will not be so shy in using your columns again. I had splendid returns from my ad.

JOHN MCKENZIE,
No Cambridge, Mass.

ALL SOLD.

Littleton, N. H., May 21, 1910.
Glass all sold, please stop the ad. or it will ruin me answering inquiries.

FRANK W. RICHARDSON.

Chatham, N. J., May 16, 1910.
Gentlemen:
Please stop my ad., stock is all sold.

G. F. NEIPP.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

BRUSSELS INTERNATIONAL EXHIBITION.

In connection with this great exhibition there have been arranged by the organizing committee a permanent horticultural exhibition and three temporary ones. The first of the latter was held on April 30 to May 3, in one of the large buildings in the exhibition grounds. The jury consisted of about 90 gentlemen of all nationalities; M. A. Truffaut of Versailles being President General, with W. Watson of Kew and A. de Smet as Vice-Presidents.

Although a very imposing schedule had been provided containing upwards of 600 classes, many were not filled, and the exhibitors numbered in all about 120. Many of those, of course, showed in a large number of classes, and although the exhibition was smaller in extent than we expected, it was bright and very well arranged in its general aspect.

Some of the miscellaneous groups were extensive and imposing. Tables were used sparingly, most of the exhibits being placed on the ground level with turf edgings intersected with wide winding gravel paths. We can only give a brief, superficial survey of the show, owing to the variety of the exhibits. One of the most effective was a semi-circular group of hydrangeas, staged by M. de Bievre, in which a succession of semi-circular rows of schizanthus, cinerarias of various colors, Begonia Gloire de Lorraine and celsia were conspicuous. Messrs. Vilmorin, Andrieux & Co. had a bright bed of large dimensions consisting of cinerarias in shaped panels filled in with giant daisies and an edging of golden pyrethrum.

Specially striking was F. Shepman's immense group of lilacs about 90 feet in length, with a rounding front set off here and there with just a few clumps of hydrangeas, begonias, etc. Several large exhibits of greenhouse flowering plants came from Firmin de Smet.

Several handsome groups of palms, ferns and ornamental foliage plants were sent by local growers.

Vriesias were shown by Leon Pollman and A. Dalliere, large and varied collections. We noted V. Rex, V. Pollmani, V. flammea, V. rex nigra, and many more.

Carnations were good and in great quantity. The British exhibits were unquestionably the best, those from the French growers being a long way behind in culture. An imposing lot came from Mr. Engleman of Saffron Walden, Eng. A few of the varieties were Carola, Helen M. Gould, Superior, Mrs. T. W. Lawson, Beacon, Robt. Craig, Red Lawson, Winsor, Sarah Hill, Afterglow, Mrs. H. Bennett, and other well known show varieties.

Stuart Low & Co. had a good lot, surprisingly many of those already mentioned, also Princess of Wales, Britannia, White Perfection, Rival, Royal Purple, etc. The Societe Anonyme Horticole Yproise staged carnations, mostly English and American, well grown and artistically staged by the Director M. Bouckennooghe. L. Ferard also exhibited in the same section.

Azaleas from a number of well known growers made a brilliant display and occupied a number of large spaces which made some fine sheets

of color at intervals. Calceolarias, cinerarias, zonals, clivias, rhododendrons, gloxinias and other bright displays played an important part in the show and we must not omit a special mention of M. Adner's hybrid gerberas, a prettily arranged little collection of various colors set up with the aid of Asparagus plumosus. Anthuriums were sent from several well known cultivators. We note specially Ch. Dietrich's lot containing Roi Albert I, Abel Chatenay, Expansion Belge, M. A. A. Peeters, Sec. Ch. Pynaert, Baron Lahuze, Jules de Cock, etc. Another lot came from the Societe Horticole Gantoise, in which Baron Claeys, Perfection, M. J. Vacherot, Roseum Longiflorum, Leon Grosjean were fine examples. The same exhibitors had another fine group in which amaryllis figured largely, with the addition of other fine foliage plants.

Of orchids there were good representative exhibits. There were some excellent displays of amaryllis, the well known English firm, Ker & Son, of Liverpool, showing a truly representative collection. Louis Van Houtte also had a good lot arranged with asparagus.

Floral art, represented by dinner table decorations, vases, baskets, etc., was well exemplified by several exhibitors. Among other interesting exhibits was a Japanese garden set up in quite a realistic style.

The remaining temporary horticultural shows will be held as follows, 24th to 27th September for fruit, 29th October to 2nd November chrysanthemums and autumn flowers.

C. HARMAN PAYNE.

CHICAGO NOTES.

Trade and Miscellaneous Notes.

There is a decided shortage of Boston ferns in the smaller sizes.

Frank Oechslein predicts a shortage in bedding plant stock. He contemplates building again soon.

The Rock Island R. R. is turning its attention to making its grounds around the stations artistic all along the line. Trees and shrubbery will be used profusely.

The usual blue Monday prevailed when the rain came down, following its usual custom this month. Only the bravest could smile when they thought of Memorial Day only one week off.

Hail stones from one to two inches in diameter fell in the West Side district on Saturday. They were not of the usual round construction, but rather a mass of ice. No damage is reported.

News has been received here that E. G. Hill, of Richmond, Ind., will manage the R. T. Graves place in addition to his own. Mr. Graves is the introducer of May Day carnation and retires from business on account of the illness of Mrs. Graves.

Chas. F. Rohr of Naperville, Ill., says that aster plants that were in the field during the big storm a month ago are coming out in fairly good shape, rather better, in fact, than those planted since. The proportion which will have to be replanted is not greater than the usual average.

The weather has not yet ceased its pranks. Sunday the thermometer reg-

istered 86 degrees at 2 p. m., and within ten minutes fell twelve degrees. The change also was quickly made from sunshine to rain and Monday was about as cold and disagreeable a day as wind and rain could make it.

Leesley Bros. report the frost of last week to have been of more injury to the young onions than the earlier and more severe freeze, because the plants were further developed. This firm has sixty acres of onions for sets and think the long cold rains are doing the crop a serious injury.

At Kennicott Bros.' where are handled more peonies than at any other one place in Chicago, Mr. Peiser says that at the present time there are coming in peonies which are such in name only and others of as fine quality as any he ever had, and orders are booked now for 20 per cent more than they have in storage.

The usual number of June weddings are giving the retailers a chance to do some decorating. A. Lange is the lucky florist on June 1st, when the auditorium parlors will be decorated for a pink and white wedding. The electric lights on the sidewalk will be surrounded with peonies, and a large canopy of smilax studded with electric lights will occupy one end. Austrian vases of lily of the valley and roses are to be used on the twelve tables.

Peony growers close to Chicago are finding their first opinion as to the damage done by the frost more correct than the later estimates. The snow seemed to have taken out the frost so gradually that the buds appeared uninjured and great hope was entertained. The buds began to grow again but soon became soft and now that they are opening the black ring can be plainly seen in them. One of the largest growers at Elmhurst said last week that out of a prospective 15,000 dozen he would not cut more than 100 dozen. Other growers seem to have fared a little better, but few think at this time that the crop in general will exceed one-tenth of its normal size.

Personal.

Frank Gabler is the latest addition to the force at Kennicott's.

Philip Eichling of Harry Rowe's, has been ill and out of the store.

F. A. Johnson, of the A. L. Randall Co., is home from a Southern trip.

E. B. Washburn and wife are expected home from California on Friday.

A. F. Longren and bride are expected home in time for Memorial Day.

Miss Frances Brundage, of E. H. Hunt's, spends Memorial Day in Burlington, Ia.

Fred Munzing, of Frank Oechslein's, sails on the 6th of June for England, where he will pass the summer.

The Sunday Record-Herald contains an account of the remarkable work being done by little Daphne Hilmers, daughter of H. Hilmers, florist, 3915 Cottage Grove avenue, at Berlin, where she is studying music.

Frank Church was struck by an automobile and severely injured last Wednesday. The accident occurred on Michigan avenue near Strail & Hahn's new store. Mr. Strail, who saw that

the injury was a serious one, had the veteran florist removed to a hospital.

Chas. Wiffin, sweet pea specialist of Desplaines, has just returned from a western trip. His son Arthur went out with him and took out a homestead claim of 160 acres in S. Dakota. Mr. Wiffin was so pleased with the West that he may make it his home also some day.

Visitors: Wm. Breitmeyer, Mount Clemens, Mich.; A. C. Brown, Springfield, Ill.; Chas. F. Rohr, Naperville, Ill.; John Bertermann, Indianapolis, Ind.; B. Eldredge, Belvedere, Ill.; Joe Smeley, Aurora, Ill.; F. A. Thompson, of Detroit Nicotine Co., Detroit, Mich.

DURING RECESS.

Chicago Bowlers.

Standing of May 20th.

	Average.
E. Johnson.....	180 1-3
L. Vaughan.....	171 2-9
F. Pasternick.....	171 1-12
E. Farley.....	168 1-12
J. Zech.....	167 2-6
Wm. Graff.....	166 3-12
Wieczorowski.....	160
Geo. Asmus.....	159 1-9
J. Huebner.....	159 1-12
T. Yarnall.....	155 1-12
V. Bergman.....	153 3-9
Wm. Wolf.....	142 2-3
F. Liebeman.....	141 3-12
Ed. Winterson.....	141 6-7
F. Ayres.....	137 6-9
O. Goerisch.....	137
T. Vogel.....	121 2-5
F. Krauss.....	119 2-3

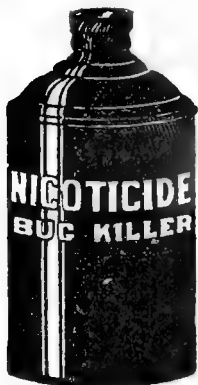
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56 lb. \$3.25

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Bloom Saver

For PROOF

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281-285 Franklin Street. BOSTON



Strokum Stops Caterpillars Anyone Can Put It On

Simply band it around your trees. No need to cut bark down smooth before applying, as Strokum fills up the bark chinks, and the caterpillars or tussock moths can't crawl under it, and won't crawl over it.

The second crop will soon be going up the trunks, now is the time to put on Strokum. It lasts an entire season, but does not stick to the bark all winter as do the unsightly smeared-on tar preparations.

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Strokum is a purely vegetable product that we guarantee to be perfectly harmless.

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EVERGREEN BRAND FLOWER FERTILIZER

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The best of all
the tobacco
dusts for
**Dusting or
Fumigating**

25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.00

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CAMBRIDGE, MASS.**
**452-460 No. Branch St.,
CHICAGO, ILL.**

GREENHOUSES BUILDING OR CONTEMPLATED.

Govans, Md.—F. Bauer, two houses.
Dedham, Mass.—Edw. Bingham, addition.

Kirkwood, Mo.—Gus Gross, range of houses.

Millbrook, N. Y.—Wm. C. Russell, one house.

Weedsport, N. Y.—Irving La Due, one house.

Oregon, Ill.—Oregon Greenhouses, two houses.

Kirkwood, Mo.—Vennemann Bros., three houses.

Indianapolis, Ind.—F. W. Brandt, conservatory.

Tacoma, Wash.—Sumner Floral Co., range of houses.

Attica, N. Y.—A. J. Pauly, Jefferson street, one house.

Hillsboro, Ill.—George L. Zeall, house, 25 x 75 feet.

Oelwein, Iowa.—Charles Hancock, addition, 8 x 40 feet.

Memphis, Tenn.—Otto Schwill & Co., range of houses.

Rochester, N. Y.—C. W. Bradley, First street, one house.

Forest City, Iowa.—Hill City Greenhouses, house 20 x 66 feet.

Govans, Md.—Mathias Thau, chrysanthemum house, 17 x 68 feet.

Lestershire, N. Y.—W. R. Gray & Son, Burbank avenue, one house.

Spokane, Wash.—The Rose Floral Co., range of houses to cost \$20,000.

Maywood, Ill.—A. F. Amling, six houses; also reservoir, 25 x 130 feet.

Fitchburg, Mass.—W. H. Ritter, 70 Main street, two houses, 21 x 100 feet.

Hiawatha, Kans.—Miss Susan Margrave, Hiawatha Greenhouses, addition.

Cedar Rapids, Ia.—Grant Newport, four houses, two 50 x 100; two 24 x 100.

Lexington, Mass.—W. C. Stickel, house, 40 x 100 feet; still another next year.

East Greenville, Pa.—O. C. Trumbore, two houses, 30 x 50 feet, this summer.

Providence, R. I.—John A. Macrea, Smith street, carnation house, 50 x 400 feet.

Old Tacoma, Wash.—Chas. Halkier, Star street and Tacoma avenue, range of houses.

Great Neck, N. Y.—Wm. Tatum, East Shore Road, three houses, one for palms.

Maywood, Ill.—Wm. H. Amling, house, 29 x 350 feet. New boiler room, 18 x 85 feet.

Kendallville, Ind.—Johnson Floral

Co., one house, 28 x 56 feet, King Construction Co. material.

Watertown, Mass.—J. W. Stone, vegetable forcing house, 43 x 230 and one 46 x 100 feet; A. T. Stearns Lumber Co. construction.

NEWS NOTES.

Halifax, Mass.—J. L. Parker's greenhouse at his summer place, Monoponsett Lake, was burned recently.

Florence, S. C.—Mr. De Witt House informs us that owing to ill health he will not be able to build this season as was recently reported.

Monroe, Mich.—The Greening Nursery Co., 304 Monroe street, contemplates the construction of cement cellars, one about 400 feet long and one about 100 feet.

Maywood, Ill.—Paul E. Weiss of Milwaukee has bought two acres of land adjoining W. H. Amling's property and intends to build a number of greenhouses in the near future.

Albany, N. Y.—It was reported recently that Edw. S. Yauch was to build a greenhouse. Mr. Yauch now informs us that this report is erroneous, that for the present he will do no building.

Spokane, Wash.—The Rose Floral Co., which was recently incorporated, will have in its new greenhouses one full acre under glass and 40 acres of flower beds and shrubbery outside. They have just purchased a large tract of land near the northwest limits of the city. Construction of the greenhouses will begin immediately.

CATALOGUES RECEIVED.

H. Austin Co., Felton, Del.—Wholesale Price List of Vegetable Plants and Seeds, Season of 1910.

King Construction Company, North Tonawanda, N. Y., Bulletin No. 34, issued May 1, 1910, tells all about the King Semi Iron Frame Greenhouse Construction. Diagrams of the various types and widths of houses constructed by this company are given together with drawings and descriptions of the various sash bars, benches, ventilators, etc., which are peculiar to these houses.

Hunt's Spiked Cemetery Vase

Beautiful Clear Crystal Glass, heavy to stand hard usage, 4 1/4 inch diameter and 9 inch deep. Each 20 cents, \$1.40 dozen, 5 dozen (x bar. el) \$6 25. White Enamel Lawn or Cemetery Vase. Made of heavy Tin Sheetting, Enamelled White.

No. 1—4 1/4 x 6 3/4 inches. 20 cents each, \$2.00 per dozen
No. 2—3 1/4 x 6 1/4 " 15 " 1.60 per dozen

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DREER'S Florist Specialties KEYSTONE CEDAR PLANT TUBS



Diam.	Each.	Doz.	100.
A 11 in.	.65	7.15	\$5.00
B 12 1/4 "	.75	8.25	65.00
C 13 1/4 "	.85	9.35	75.00
D 14 1/4 "	1.00	11.00	90.00
E 15 1/4 "	1.25	13.75	110.00
F 16 1/4 "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUB

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green

HENRY A. DREER
714 Chestnut Street
PHILADELPHIA, PA.

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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/4 "	" 5.25	120 7 "	" 4.20
1500 2 1/2 "	" 6.00	60 8 "	" 3.00
1000 3 "	" 5.00	HAND MADE	
800 3 1/4 "	" 5.80	48 9 in. pots in crate	\$3.60
500 4 "	" 4.50	48 10 "	" 4.80
450 4 1/4 "	" 5.24	24 11 "	" 3.60
320 5 "	" 4.51	24 12 "	" 4.80
210 5 1/4 "	" 3.78	12 14 "	" 4.80
		6 16 "	" 4.90

Send pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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All The Clay for our Florists' Red Pots

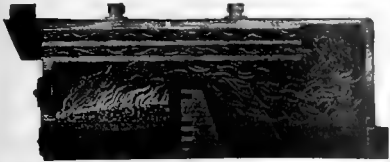
Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

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PEERLESS
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Hot Bed Sash

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FRENCH OR AMERICAN GREENHOUSE GLASS

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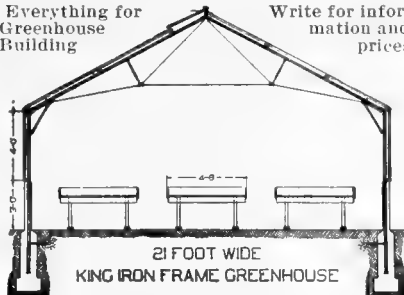
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In Widths from 14 feet 0 inches to 54 feet
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CYPRESS SASH BARS
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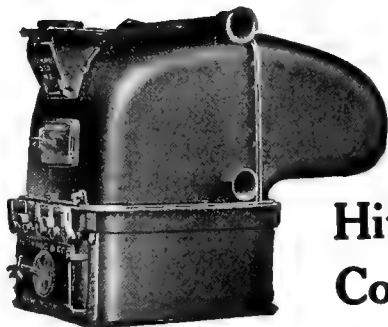
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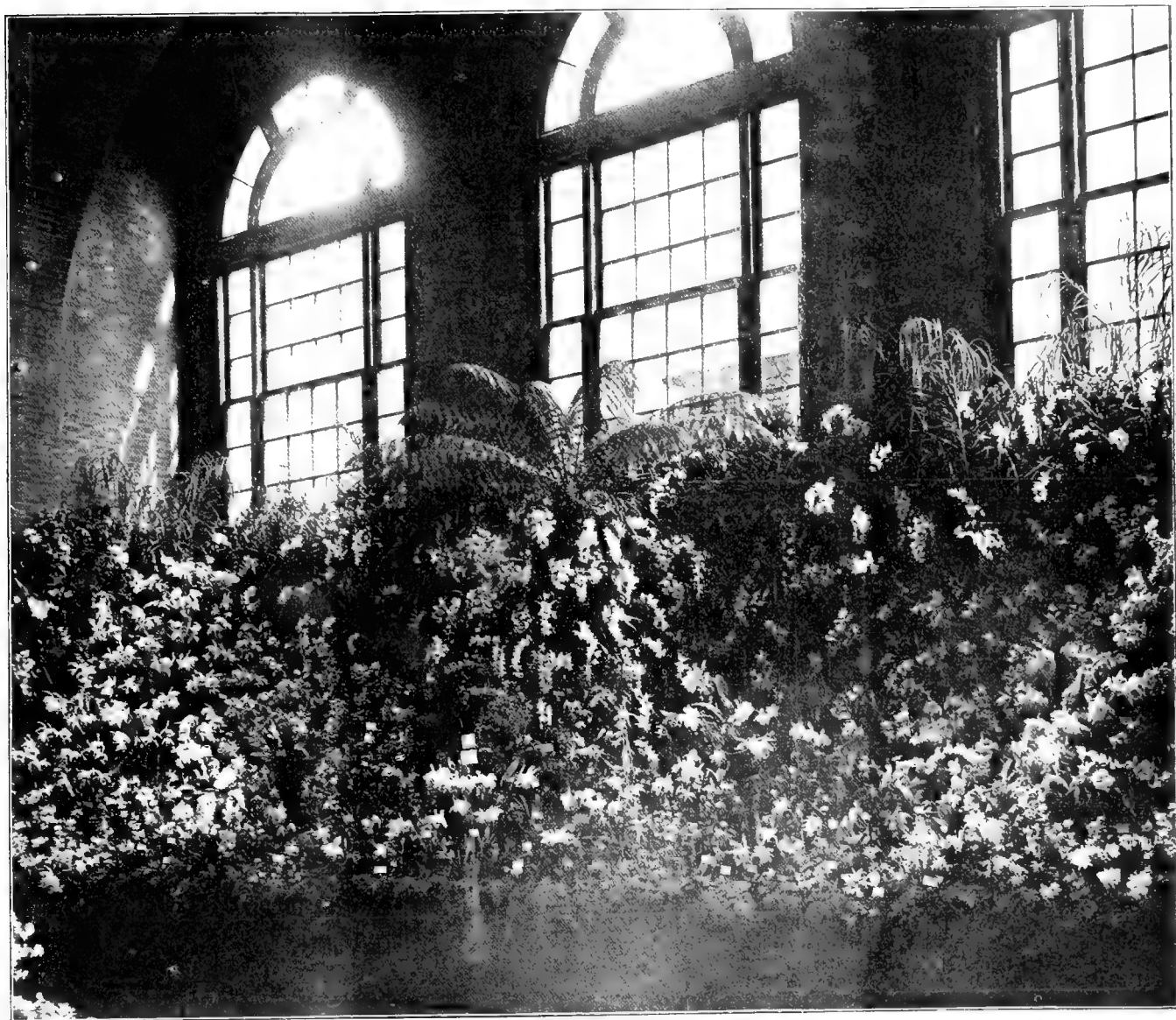


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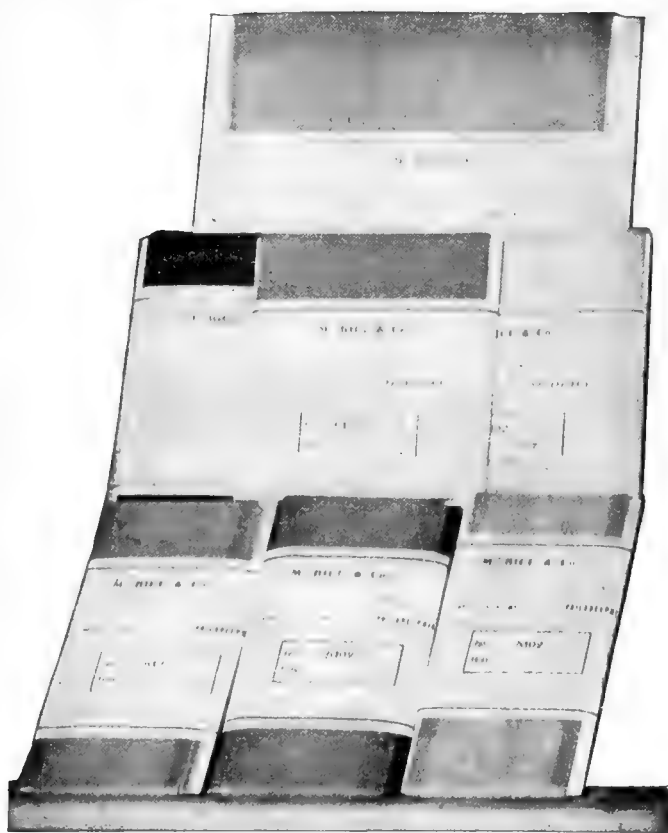
Vol. XI. JUNE 4, 1910 No. 23



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Extraordinary Announcements

Just Received a Large Importation of

Silk Netting and Chiffons

We have decided to place a quantity on sale at **Bargain Prices**. From June 6 to 12, we offer as follows:

SILK CHIFFON

4 inches wide, per yard, 2 1-4c.

6 " " " " 3 1-4c.

SILK NETTING

6 inches wide, per yard, 4 1-4c.

14 " " " " 8 1-2c.

Remember these cut prices hold good for **One Week Only**.

Take advantage of this unusual opportunity and mail your orders **at once**.

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Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

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SEEDSMEN AND NURSERYMEN
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Our young bedding roses are in grand condition, of fine size and well grown.

Write for descriptive
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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis,
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We are now prepared to offer an exceptional fine stock of **Fancy Leaved Geraniums** from 3 in. pots of **L'Elegante**; **Silver-Leaved**, S. A. Nutt, Duke of Edinburgh, **Sophia Dumaresque**, Mrs. Pollock, Mme. Langruth and **Mountain of Snow** at \$1.00 per doz., \$5.00 per 100.
Geraniums, Ivy-Leaved, in 6 good sorts at \$2.00 per 100, \$18.50 per 1000; 3 in. \$3.00 per 100, \$25.00 per 1000.
Geraniums, Standard Varieties, \$2.00 per 100, \$18.50 per 1000; 3 in., not in bloom, \$3.00 per 100, \$25.00 per 1000 in good assortment.
Cannas. We have 200,000 fine, strong plants in 3 in. pots in the following kinds, Jean Tissot, Pres Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan and Alph. Bouvier at 75c. per doz., \$3.00 per 100, \$25.00 per 1000; not less than 25 of a kind at hundred prices.

	2-in.	3-in.
Heliotrope, In Variety	100	100
Centaurea Gymnocarpa	\$2.00	\$18.50
Cineraria Maritima, Candidissima	2.00	18.50
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	2-in.	3-in.
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Virginia Poehlmann, Alice Roosevelt, Yanoma, Chadwick, Golden Chadwick, Cullingfordii, Black Hawk, \$3 per 100, \$25 per 1000 R. C.; \$4 per 100, \$35 per 1000 2½ inch.

Golden Eagle \$4 per 100, \$35 per 1000; Lynwood Hall \$5 per 100; Hankey \$4 per 100. Pres. Taft, Mrs. W. E. Kelley \$10 per 100.

2 inch stock of German Ivies, Ice Pinks, Salvias, Lobellias, Petunias, and all bedding plants \$3 per 100, \$25 per 1000.

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More Flowers in the Garden

The taste of the public in the furnishing of the garden and pleasure grounds, and the effects at which we aim in the present day are the beauty of the flowers and the manner in which they are employed. Carpet beds in more or less ornamental patterns were for many years running considered the acme of bedding out, and such styles of flower gardening are even now to be found in famous gardens in this and other lands. But I will repress the scornful epithets applied to these by the moderns. Then came the taste for angular beds, oval and round beds, cut out in the turf and provided with a central mass of one kind or variety of plant with one or several kinds of edging plants. This kind of planting is still the reigning mode, and the gardener endeavors by means of his various edgings to impart the greatest possible amount of variety to the designs by means of the sharpest contrasts; and in the middle stands a yucca, a dracæna or a phoenix. But another mode of planting is come into vogue for the flower bed—started by a Dutch lady, Mrs. deLow, who advises the planting in harmonious tones of one color. That which she advocates in this style is hardly better than that she desires to replace. She makes use of kidney or bladder shaped beds instead of the geometrical shapes, and forms these without any kind of order on the lawn or grass plot.

Another kind of arrangement may be found in the "color" garden at Darmstadt, and this is a surprise to all who have observed it. This, however, will not have, any more than carpet bedding, an enduring popularity owing to the natural beauty of the individual plants being lost in making the combinations of colors, fine as these are. The mixed flower and foliage bed now favored by many is in reality a going back to the ancient flower border with its great simplicity. Such beds possess a certain charm and pass very well in the ordinary country garden, but they are not suited to public gardens, being too variegated in effect, however well cared for.

After all it appears probable that in the gardens of the future a far greater number of hardy perennials and biennials will find their employment in the foreground of flowering and evergreen shrubs, naturally arranged as borders and groups. Good examples of this method are found in Regents, Battersea and Kensington Gardens. The cry is always for more flowering plants, and these must be planted so that each individual shall display its natural beauty in color, as in habit of growth.

Frederick Moore

British Horticulture

SOME GARDEN LEAVES

"I have always believed that the happiness of mankind may be increased by encouraging that love of a garden,—that love of the beautiful which is innate in us all." Thus wrote the cheery Dean Hole, who did more than anyone else to popularize gardening, and whose informative, gossipy books have gained a world-wide reputation. The theory of promoting happiness by a love of gardening was carried into practise. The Dean's best known work, "Book About Roses," has become an English classic, and has been translated into

nearly every European tongue. British gardening is extremely fortunate in the wealth of literature which has been bestowed upon it by devoted enthusiasts, who have found the hobby "the purest of human pleasures, the greatest refreshment to the spirit of man." Rose literature appears to have an irresistible fascination for clerical writers. The Rev. J. H. Pemberton has made a valuable contribution to this department. Skilled as a grower and prize winner at the leading shows, Mr. Pemberton is eminently qualified to act as an historian of "the Queen of Flowers." His book, "Roses: their history, development, and cultivation," is well fitted to take its place with the older work of the illustrious Dean of Rochester. The volume is a reliable guide to all phases of rose culture.

A USEFUL SELECTION

"Roses for Amateurs" is a well written book of invaluable instruction from the pen of the late Rev. H. D'Ombraïn, who was for many years Secretary to the National Rose Society; the work has lately reached its third edition. Another manual on the same subject has been written by the Rev. A. Foster Melliard, M. A. Wm. Paul, a leading trade exhibitor, has incorporated his many years' experience in an elaborately illustrated work, "The Rose Garden."

Coming to the wide range of books dealing generally with horticultural subjects, one need not be an expert to gain many delightful hours from a perusal of Alfred Austin's "The Garden that I Love." Charming descriptions enhance an appreciation of the garden's illimitable interests, whilst the townsman cannot fail to be infected with a yearning for a wholesome communion with "Mother Nature." Even if one's garden is the restricted area of a villa plot, a wider purview is obtained from the closely observed changes recorded in Rider Haggard's "A Gardener's Year," which transports one to the entrancing and ever-changing attractions of cut-door life. Word pictures of old world gardens make one of Eden Phillpotts's later works a pleasant companion for the country lover. "Pot-Pourri from a Surrey Garden," Mrs. E. W. Earle's clever work, has caused many zealous admirers to take up a horticultural hobby.

ITEMS OF INTEREST

The death of King Edward brought a large amount of business to the florists. The day before the funeral over 6,000 wreaths had been received, many of these being magnificent specimens of the florists' art.—A well arranged model of a French garden has been shown at Warley Park, Birmingham, by Messrs. Sutton & Sons. The garden covers some 1500 ft. and demonstrates the latest methods of raising crops by the intensive system.—The National Dahlia Society is conducting a trial of single dahlias in connection with Messrs. J. Cheal & Sons.—A movement for the formation of a trades union of gardeners in Scotland has been set on foot.—The Rev. E. Arkwright, of Telemly, Algiers, announces that he has succeeded in introducing the Spencer wave into the Telemly strain of winter-flowering sweet peas.—Several British firms exhibited at a flower show recently held at the Brussels International Exhibition.—The death has recently taken place of Mr. Wilson Ker, a well known and esteemed North Country horticulturist.

W. H. Adsett,

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sey was the star performer in this dazzling spectacle and her gardening and floral fraternity have the right to feel proud and elated over the splendid demonstration made by the representative growers of their state. Massachusetts shares with New Jersey the glory and honor of this occasion which was made possible only through the equipment, enterprise and munificence of her honored Horticultural Society, and the public in its generous attendance and enthusiasm has certainly shown a proper appreciation of this notable and praiseworthy exploit.

An addition
to the family

Another national society has been auspiciously launched. HORTICULTURE wishes all success to the American Gladiolus Society and we have no doubt it has before it a useful career. Wise judgment is apparent in the personality and circumstances of the officers chosen at the initial meeting. Among them are men already well and widely known in the horticultural world, whose experience and ardor afford assurance that the work undertaken by the young organization will be of the sort that will bear good fruit. In another way the new society has started right—that is, by setting the time and place for their next meeting, co-incident with the Society of American Florists' Convention. The advantage will be shared by both organizations. "Meet me at Rochester" is a motto which any society may safely inscribe on its banner.

To extend
the flowering
period

In the advancement of the orchid towards a position of importance in the commercial flower market which has been going on for a number of years, one of the most discouraging conditions confronting the worker has been the uncertain character of the supply. No sooner did the dealer get an avenue of demand opened up than the supply came to an end—sometimes so abruptly as to cause serious embarrassment through inability to fulfil agreements made in good faith. This drawback has been overcome, in a measure, by the increasing number of sorts which are gradually finding their place among the standard commercial favorites and which, with their varying time of flowering, help to fill in the barren places, but even now with the vastly improved service there is much exasperating irregularity in the supply, taken the season through. It is interesting to note and gratifying to find a reasonable probability in the practical observations of Mr. Orpet, as presented in our Special Orchid Number, in which he sets forth the interesting fact that varieties home-raised by cross-fertilization show such great variability in time of flowering that the progeny from two kinds, of fixed blooming period, will be in bloom every week during the year. Mr. Orpet, with apparent good reason, pronounces this to be the greatest triumph of the operator. It suggests the eventual elimination of what has been one of the most perplexing obstacles in the path of those seeking to popularize the orchid as a conservatory adornment or for cut flower purposes.

A happy combination
The orchid show at Boston which closed on Monday night, May 30, passes into history as a colossal success, unequalled by any previous floral event in this country in the boldness of its conception and the variety, beauty and richness of the displays. New Jer-

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Bench Soil.

Turfy soil that has been thrown over once or twice and is easily breakable but not in a fine or powdery state will suit nearly all crops cultivated on benches under glass. Don't neglect this all-important requisite of your business until the actual time arrives when you must have it. It is well to have it ready as soon as possible, mixing and adding manure—more or less as the case may require. It would be better to retard planting for two weeks than attempt to use the soil in an unfit condition. Good soil, well mixed and uniform in character is the very foundation that makes success in all crops that florists have to grow.

Celestial Peppers.

These plants are much in favor for holiday trade. All solanums are badly checked by being lifted. Those grown under continuous pot-culture will do finely in a frame during the summer. They should be repotted as they may need it until the latter part of August when they should be in their selling size, either 6 inch or 7 inch. Neglect in the matter of timely repotting when they are growing is sure to be of great injury. Solanums should never be allowed to become thoroughly pot-bound before full bearing size has been attained, if you want first class plants. The pots should be plunged in order to guard against frequent and severe drying out. During the hottest hours of the day a little shade is good for them. Some prefer to grow them in the open ground during the summer and then lift them, but I find they lose much of the fine growth in the transfer from the field to the pot. A fine lot of these plants is ready money for next winter.

Laelias.

When well grown, laelias always find a ready sale in most of our large cities. Many of these orchids thrive best in suspended baskets or on blocks of hard wood. As to compost they like a material composed of clean peat, live sphagnum and some charcoal. As the season advances and the temperature gets higher they will have to be given more air, and consequently more frequent damping of the floors and benches to provide the moisture during the hot dry weather, which will insure good growth for next winter's flowering. As the new growth matures the quantity of water must be lessened, but syringing overhead in bright weather will be found very beneficial. Laelias such as *anceps*, *albida*, *autumnalis*, etc., when in spike, can be held back with safety by placing them in a temperature of about 50 degrees, and then bringing them forward as desired by shifting into a temperature of from 60 to 65 degrees. By this means a longer season of bloom can be kept up. The plants must be carefully looked over for white scale.

Planting Out Young Roses.

Progressive growers now favor earlier planting because they can produce more blooms per plant during the season, and of a higher grade, than from later planted stock. The houses should have a thorough cleaning after being emptied as cleanliness is essential to health of the young plants. Select and plant only the very best stock, discarding any that appear sickly. See that the plants are firmly planted with-

out damaging the ball. When the bench has been planted water carefully around each plant without soaking the whole bench. Careful watering is of the greatest importance at all stages of their growth. When evaporation is rapid because of a dry atmosphere the plants can hardly be over-watered, but watering must be done very carefully if the atmosphere is moist. Much of the success or failure of this crop can be attributed to care taken of young roses. Healthy, stocky growth can only be had by timely cultivation, ventilating and watering. When time can be spared the plants should be staked and tied so that the light and air can have free access among them.

Smilax.

From now on up to the middle of July smilax can be planted with success, but I prefer as early as possible. Without question it is still the most useful as well as the most easily grown of decorative greens. It may be grown in either solid beds or raised benches, the former giving the most satisfactory results. Vigorous plants from 3 to 4-inch pots make the best size for planting out. Allow at least from 12 to 15 inches between the rows and from 9 to 12 inches between the plants. You will need anywhere from 8 to 10 feet of headroom. After they are planted Silkaline strings should be run up for the young plants to twine on. The soil should be composed of two parts of strong fibrous loam to one of cow manure. Syringe once a day to prevent red spider from securing a foothold.

Stock Plants.

Plants that are needed for future increase of stock will now need the fullest attention. Some will be improved as bearers of cuttings for propagation by a judicious pinching or cutting back in order to make a sturdy growth during the summer, which will give abundant crop of strong cuttings. Plants such as *abutilons*, *begonias*, *daisies*, *geraniums*, *fuchsias*, *lemon verbenas*, *lantanas* and many others will with ordinary care and constant indoor culture produce cuttings much to be preferred to outdoor-grown stock. See that the different varieties are not allowed to intermingle, thus causing a mix-up, a source of considerable annoyance every spring.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on the following: *Asparagus plumosus*, *Chrysanthemums* For Cut Bloom, *Begonias*, *Draecenas*, *Hydrangeas*, *Solanum capsicas*.

BALTIMORE NOTES.

Park Management.

There is a ripple of excitement in our Park Board. Citizens have protested the manner of trimming trees in parks, and the general neglect prominently observable in the parks. Work commenced over two years ago is in a chaotic state seemingly abandoned. Mr. Manning, Superintendent of the Parks, has been put on the defensive by sharp letters in the press criticising existing methods. One park official has made charges which a member of city council has taken up and presented to the Park Board, and in consequence the Park Board are now "investigating themselves." The Park Board of Baltimore are not appointed on account of anything they know about parks, trees, landscape gardening, the floral kingdom or anything of that nature; but just because

they are good prominent citizens. If a civil service examination was required the Board could not tell a dandelion from a daisy except they know one should be yellow; nor an oak from a chestnut tree—yet they pose as experts and do not hesitate to put up a bluff against the knowledge of men who have served a score or more of years and whose work proclaims their practical knowledge. Shoemakers and laboring men after a few months' work as laborers in the parks were promoted to be superintendents. The two most proficient and recognized experts connected with the parks, the Board is making strenuous efforts to get rid of. Knowledge regarding park work, floriculture, etc., is not required.

Club Doings.

The Gardeners' and Florists' Club at its last meeting gave a very interesting entertainment. The club concludes "Mothers' Day" is something that should be encouraged, but that the white carnation should be worn for departed mothers, and bright colored ones for the living mothers. The club donated a lot of plants for the Endowment Hospital patients. Mr. Richard Vincent, Jr., who has been abroad, wrote some very interesting letters to a member who read them to the club. One describing a 400-acre bulb farm was of unusual interest.

The Flower Market.

This week the flower market is overstocked with carnations, peonies and other seasonable blooms. Wet weather has also lessened the general excellence.

OBITUARY.

Mrs. E. A. Riehl.

Mrs. E. A. Riehl, wife of E. A. Riehl of Evergreen Heights, Alton, Ill., died May 20th, aged about 70 years. She is survived by a husband, two sons and a daughter.

William E. Kelley.

Wm. E. Kelley, former president of the Horticultural Society of Chicago, died at his summer home at Oconomowoc, Wis., May 30, after an illness of a year. A special train left Chicago bearing his friends and business associates to Oconomowoc May 31st, and they will accompany his remains to Chicago, where interment will take place at Graceland. The Horticultural Society of Chicago sent a large wreath of orchids and asparagus.

Jason Sexton.

Jason Sexton died suddenly, aged 76, on Memorial Day while making a patriotic speech at North Wales, Pa. He had already joined in a G. A. R. parade and made a speech at Lonsdale. He was not only an agriculturist of note in the great farm of the late William M. Singerly, but was closely in touch with horticulture in the institute work of the state—especially in connection with Edwin Lonsdale's good work in that direction during the last twenty years. He made many good addresses, which were always characterized by breadth of view and a progressive spirit. Also was a member of the state legislature and of the state agricultural department. He was a fine, big, broad man in every department of human endeavor near the soil—and that is the ultimate measure of all men.

G. C. W.

THE GREAT ORCHID SHOW

Supplementary Report

The main facts concerning this memorable event have already been pretty well covered in our issue last week, HORTICULTURE'S advantage in location giving this paper the distinction of being the only horticultural journal giving any account of the show in the issue of last week.

We add a few more observations on the various displays as they impressed us but feel sure that our readers will get a better idea from the illustrations which we are now enabled to present, than from any words of ours. The full list of awards also appears herewith. Read in connection with last week's account, the following notes complete our report on this notable occasion in American floriculture.

The Roehrs *Cattleya gigas* which won the gold medal as the best specimen orchid in the hall, bore 250 flowers and made a magnificent show in itself. *C. Mossiae Reineckiana* var. Mrs. Julius Roehrs, was a beauty. This and practically every other unique plant in the exhibition was marked "sold" early in the game. *C. Desseldorfi Undine* well deserved the gold medal which it won. Messrs. Roehrs won in all five gold, three silver and several bronze medals.

Most noticeable throughout most of the orchid groups was the large number of *Odontoglossums* of the *vexillaria* and *Pescatorei* types, of unusual vigor and finish, showing that this lovely genus has no longer any terrors for the culturist and that within a short time we may look for it to take its place with the *cattleya*, *oncidium* and *den-drobium* as a standard commercial florists' flower.

Of the large groups one was impressed variously as to the special points of excellence. The massing of colors in the Roebing display was very effectively done. The Roehrs group was unprecedentedly rich in new, rare and striking species and hybrids and very fine taste was displayed in the



A SECTION OF LAGER & HURRELL'S DISPLAY.



THE SAME SCENES AS SEEN FROM THE LOGGIA.

grouping. The *odontoglossums* were simply superb. The photograph of a section of the Lager & Hurrell exhibit tells better than words can the delicate gracefulness of the arrangement put up by these gentlemen. W. A. Manda found plenty of admirers for the unique effects he produced in his grouping with mirror accessories. J. T. Butterworth astonished everyone with his fine *Cattleyas* and *Miltonias*. J. T. B. is a wizard in orchid culture. *Odontoglossum Rolfei* in the Walter Hunnewell group was a gem of the first water. M. J. Pope's *Oncidium sphacelatum* was as well-flowered as it was huge.

Among the particularly interesting items may be mentioned the six-year-old Cedars of Lebanon, raised at the Arnold Arboretum from seed collected in the most northern and coldest region inhabited by this historic species. The plants have gone through six winters without any protection and their hardiness in the vicinity of Boston seems assured. C. W. Brownell from Walden, N. Y., found many interested

WHAT ARE YOU DOING

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growers ready to examine his samples of osmunda fibre for orchid potting material. This he showed in natural and cleaned condition.

W. A. Manda's sterile form of *Polypodium aureum glaucum* was one of the most impressive things among the novelties. He also had an unidentified tree fern from Africa with noble frond development and a new juniper from the snow-clad mountains of Africa, which, should it prove hardy, will be a great acquisition. The latter was the winner of the gold medal.

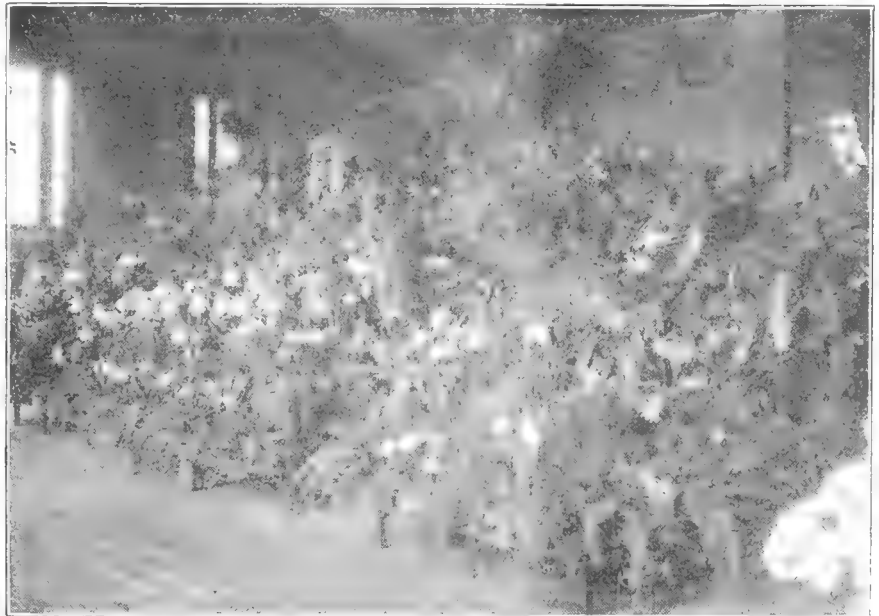
I. S. Hendrickson from the J. L. Childs establishment, showed pardonable pride in the new variety of *Gladiolus Childsii*, which has been named after himself. It is a very striking flower.

List of Awards.

Display of Orchid plants in bloom, arranged for effect, embracing at least 20 genera: 1st, Julius Roehrs Co., gold medal and \$1000; 2d, C. G. Roebeling, silver medal and \$500; 3d, Lager & Hurrell, bronze medal and \$250. Display of Orchid plants in bloom, arranged for effect, embracing at least 10 genera: 1st, E. B. Dane; 2d, Walter Hunnewell. Best recently introduced Orchid plant not previously exhibited in the United States: Lager & Hurrell, white *Cattleya gigas*, gold medal. Best new seedling Orchid plant not previously exhibited in the United States: Julius Roehrs Co., *Cattleya Deesseldorffii*, Lindley, gold medal. Largest and best display of cut Orchid blooms arranged with ferns or other foliage: 1st, Joseph Manda, gold medal and \$100; 2d, W. A. Manda, silver medal and \$50. Collection of cut Orchids of new varieties not before exhibited in the United States: W. A. Manda, gold medal. Group of flowering and foliage stove or greenhouse plants arranged for effect: 1st, Julius Roehrs Co., gold medal and \$100; 2d, Edward MacMukin, silver medal and \$50. Best species of stove or greenhouse plant in bloom not previously exhibited in the United States: Thomas Roland, gold medal. Best species of com-

ferous plant, not yet disseminated, likely to be hardy in Massachusetts: W. A. Manda, Juniperus species, gold medal. Six Orchid plants, distinct genera: 1st, Julius Roehrs Co., silver medal and \$50; 2d, Mrs. B. B. Tuttle (M. J. Pope, gard.), bronze medal and \$15. Three Orchid plants, distinct genera: 1st, W. A. Manda, 2d, J. T. Butterworth. Three *Cattleyas*, distinct species: 1st, W. A. Manda. Specimen *Cattleya*, any species: 1st, J. T. Butterworth, C. Mossiae *Reineckiana*, silver medal; 2d, the same for C. Mossiae, Mrs. Butterworth, bronze medal. Specimen *Cymbidium*: 1st, Weld Garden, silver medal; 2d, W. A. Manda, bronze medal. Three

Cypripediums, distinct species: 1st, Julius Roehrs Co., Specimen *Cypripedium*: 1st, Dr. C. G. Weld, silver medal. Specimen *Dendrobium*: 1st, Weld Garden, silver medal; 2d, Julius Roehrs Co., bronze medal. Six *Miltonias*: 1st, Walter Hunnewell, silver medal and \$25; 2d, J. T. Butterworth, bronze medal and \$15. Specimen *Miltonia*: 1st, J. T. Butterworth, silver medal; 2d, Walter Hunnewell, bronze medal. Six *Odontoglossums*, not less than three species: 1st, Julius Roehrs Co., silver medal and \$25. Specimen *Odontoglossum*: 1st, Walter Hunnewell, silver medal; 2d, J. T. Butterworth, bronze medal. Specimen *Oncidium*: 1st, Mrs. B. B. Tuttle,



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New York, N. Y.

silver medal; 2d, Julius Roehrs Co., bronze medal. Specimen Vanda: 1st, Howard Gould, silver medal. Specimen Orchid, any genus not otherwise provided for in the schedule: 1st, Col. Charles Pfaff, *Brassia verucosa*, silver medal and \$25; 2d, Mrs. B. B. Tuttle, bronze medal and \$15. Best specimen Orchid plant in the exhibition: Julius Roehrs Co., *Cattleya Mossiae*, gold medal.

SPECIAL GOLD MEDALS: Julius Roehrs Co., group of *Brasso-Cattleya*; Robert Cameron, group of stove and greenhouse plants; Prof. C. S. Sargent, collection of *Azaleas*; R. & J. Farquhar & Co., group of shrubs and climbers from China; Thomas Roland, new Japanese *Hydrangeas*.

SPECIAL SILVER MEDALS: J. T. Butterworth, group of Orchids; S. M. Weld, specimen *Rhododendron*; Walter Hunnewell, specimen *Rhododendron*; Establishment horticole Le Lion, Gand, Belgium, collection of *Cocos Weddelliana*; T. D. Hatfield, superior cultivation of *Fuchsias*; Duncan Finlayson, group of *Canterbury Bells* and other plants; Thomas Roland, collection of *Hydrangeas*; Charles Sander, collection of new Mount Peonies; William Sim, collection of Sweet Peas; Henry A. Dreer, collection of hybrid Tea Roses.

SPECIAL BRONZE MEDALS: Mrs. J. L. Gardner, group of Orchids; N. F. Comley, collection of Sweet Peas.

FIRST CLASS CERTIFICATE OF MERIT: R. & J. Farquhar & Co., *Begonia Pink Beauty*; Mount Desert Nurseries, *Nephrolepis Milleri*; C. W. Brownell Co., *Orchid Peat*.

CULTURAL CERTIFICATE: Waban Rose Conservatories, *White Killarney Rose*.

HONORABLE MENTION: G. L. Freeman, collection of Orchids; W. W. Rawson & Co., collection of Tulips; R. & J. Farquhar & Co., *Pelargonium Ostergrass*, *Geranium Mrs. Charles Pfaff*, and seedling *Iris*; Julius Roehrs Co., *Croton Fred Sander*; Howard Gould, *Malmalson Carnations*; Thos. Meehan & Sons, collection of Japanese Maples, Peonies and Golden Privet; John Lewis Childs, exhibit of *Gladioli*.

GRATUITIES: J. T. Butterworth, group of Orchids; Mrs. J. L. Gardner, group of Orchids; G. L. Freeman, display of cut Orchids; W. A. Riggs, group of flowering and foliage plants; Waban Rose Conservatories, *White Killarney Rose*; Edward MacMullin, decoration of Orchids and flowering plants; Dr. C. G. Weld, specimen *Azaleas*; M. A. Patten & Co., *Carnation Mrs. Barron*; Mrs. H. F. Durant, *Statice Holfordii*.

Additional List of Visitors.

To the long list of visitors published last week, the following later arrivals are added: John Dunlar and W. C. Barry, Rochester, N. Y.; Wilhelm Miller, F. H. Traendlin, John DeBuck, J. Austin Shaw, Winfried Rolker and J. B. McArdle, all of New York City; C. W. Brownell, Walden, N. Y.; George Baldwin, Mamaroneck, N. Y.; H. A. Stollery, Chatham, N. J.; Michael Barker, Chicago; T. Conlon, Bound Brook, N. J.; Geo. Morrison, Baltimore; H. Schoelzel and Mrs. Schoelzel, New Durham, N. J.; T. W. Duggan, son and foreman, Brampton, Ontario; Mr. Komitsch, Secaucus, N. J.; A. Paterson, Saugatuck, Conn.; George McWilliam, Whitinsville, Mass.; Paul DeWilde, Ghent, Belgium; A. A. ... New



GROUP OF DECORATIVE PLANTS FROM HARVARD BOTANIC GARDEN

York; Arthur Cowee, Berlin, N. Y.; L. Merton Gage, Orange, Mass.; D. Lumsden, Durham, N. H.; John Appel, Bay Ridge, N. Y.; Harry Gould and T. Shober, Wyncote, Pa.; C. L. Shand, Edw. Kirk and Wm. Miller, Bar Harbor, Me.; C. L. Marshall, Lowell, Mass.; T. Mellstrom, St. Albans, England; Chas. Atkins, Rutherford, N. J.; C. B. Weathered, New York City; George Jackson, Waterford, Conn.; J. Curnow, Akron, Ohio; Julius Roehrs, Jr. and wife, Rutherford, N. J.; James Robertson, John A. Forbers, John Urquhart and Colin Robertson, Newport, R. I.; Leonard Barron, and A. T. Boddington, New York City; C. G. Roebbling, Trenton, N. J.; H. S. DeForest, New York City; E. O. Opet, South Lancaster, Mass.; H. W. Carr, Southampton, L. I., N. Y.; Carl Cropp, Chicago; Thos. Long, Phila.; Dr. G. E. Stone, Amherst; Mr. and Mrs. Clement Moore, Hackensack, N. J.

PHILADELPHIA MAIN LINE FLOWER SHOW.

The first exhibition of the Gardeners' Club and the Weeders' Club, combined, was held at the Merion Cricket Club, Haverford, Pa., on Saturday May 28th, and proved a great success. These clubs are composed entirely of ladies

of select social standing, and all the exhibits were grown by them without the assistance of a skilled gardener. There were 65 exhibitors, the exhibits being divided into 53 classes, all for outdoor-grown flowers. The largest exhibits were of paeonies, iris, dianthus, delphiniums, and collections of perennials. The show was very largely attended, society turning out in large numbers. The proceeds go towards providing a teacher in Horticulture, for the public schools in Lower Merion. These ladies' clubs are doing an excellent work, creating great enthusiasm and, from this small start, it is anticipated a new Horticultural Society will be formed, several prominent gentlemen already agreeing to put up a building. Two large pieces of ground have been donated for the purpose of teaching the children of the schools how to grow plants and flowers.

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THE NEW ENGLAND NURSERIES, Inc.
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Oncidium varicosum Rogersii

BODDINGTON'S TYPE

We are expecting an importation to arrive at an early date. We have imported this variety for many years from an experienced collector and it has proved all we claim for it both as to size of flowers and intense coloring.

This Orchid is one of the most popular and free-flowering types of the Oncidium family. Our past importations have come fully up to standard. *Oncidium varicosum Rogersii* throws 3-foot stems, bearing as many as 170 blossoms of an intensely rich golden yellow, 2 inches and over in diameter, and can be successfully grown either on blocks of wood, in pots or in baskets, and flowers in November and December in a night temperature of 55 to 60 degrees.

\$1.25 each, \$12 per doz., \$100 per 100; selected plants \$1.50, \$2, \$3, and \$5 each according to size.

ARTHUR T. BODDINGTON

Seedsman

342 West 14th Street, NEW YORK CITY, N. Y.

TARRYTOWN HORTICULTURAL SOCIETY.

The regular monthly meeting of the Tarrytown (N. Y.) Horticultural Society was held in its rooms on Friday evening, May 27th, 1910, a good number of members being present. The monthly prize, donated by Wm. Scott, for twelve vases of hardy outdoor flowers was won by Robert Angus, gardener for Joseph Eastman. The exhibit consisted of six lots in all and made a nice display.

The finishing touches were put on the schedules for the June and Fall Flower Shows. It was decided to hold the June show on June 14th, 1910. These schedules are now ready, and may be had upon application to the Secretary, E. W. Neubrand.

The matter of the annual outing was taken up and discussed, and the old committee, John Brunner, James Smith, and William Scott, were again appointed with power to make all necessary arrangements.

Samuel C. Horn, Superintendent for James Speyer of Scarborough, was elected to membership.

WM. SCOTT, Cor. Sec.

AMERICAN ROSE SOCIETY.

The A. N. Pierson Co., Inc., of Cromwell, Conn., have filed with the American Rose Society notice of registration of a new sport of Killarney originating with them in 1908. It is identical with the Killarney, excepting in color, which is much brighter, showing a strong tendency to red, some blooms having been as dark in color as the Richmond and the average of the crop for the entire year of 1909 was only a shade lighter.

The question has been addressed to the Secretary, whether the American Rose Society will have a June Show, but up to this writing there has been no step taken toward such an exhibition.

The Minnesota State Rose Society have applied for a bronze medal to be offered at their summer exhibition to the best exhibit by an amateur. The definition which the society gives of an amateur is, "One who grows the plants himself or herself, but does not regularly employ a gardener to grow them, and one who does not grow or sell plants as a business." Last year the American Rose Society offered its bronze medal and this was awarded to Mrs. F. H. Gibbs, St. Paul, Minn.

BENJAMIN HAMMOND, Sec.

Orchids Fresh Stock. Just Arrived.

Cattleya Trianae, per case, \$40.00. Labiata, per case, \$50.00.
In splendid season for strong growth and flowers the first season.

Successors to G. L. Freeman.

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FALL RIVER, MASS.

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You know the Comet is a Tale of the past.

Not so with Aphine, which has come to stay to the last.

APHINE

Has proved its efficiency for destroying the insect pests that infest the garden, field and orchard, to be equal to its effectiveness in the greenhouse, where it has already gained wide recognition as the leading insecticide on the market for general use.

It may not be the cheapest, but it is the best.

Aphine destroys green, black and white fly, red spider, thrip, scale, slugs, ants, and many other species of plant insects.

It will not injure the tenderest foliage, in fact it invigorates plant life.

These statements may appear as bold assertions, but we can furnish you with many expert endorsements to substantiate all we claim for Aphine, if you are interested.

Aphine Manufacturing Company
Madison, N. J.

In ordering goods please add "I saw it in HORTICULTURE."

ORCHID PEAT

Osmunda Fibre

Either the black or brown grade, in chunks or handpicked, in bags or barrels, ready for the orchid grower.

LIVE SPHAGNUM MOSS, ROTTED or AZALEA PEAT, LEAF MOLD, BALED SPHAGNUM MOSS, all of fine quality.

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Cattleya Warneri, C. Harrisoniae, C. Gaskelliana, C. gigas Hardyana type, Dendrobium Phalaenopsis Schroederiana, Odontoglossum luteo-purpureum sceptrum.

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ORDONEZ BROS.

'MUMS THE WORD

Our Special Commercial Novelty for this year is Yellow Ivory.

This, we can give immediate delivery on, 2 1/4 in., at \$15.00 per hundred.

We have many thousands of plants in 2 1/4 in. pots, of such varieties as Appleton, Miriam Hankey, Nellie Pockett, Wm Duckham, Cheltoni and other Standard kinds that we are offering at \$3.00 per hundred, \$25.00 per thousand.

We will also quote special price on Singles of which we have some 90 varieties. We will give you a good selection of colors in as many varieties as you wish at \$5.00 per hundred.

CHARLES H. TOTTY
Madison, New Jersey

CONNECTICUT HORTICULTURAL SOCIETY.

Pansy Night was observed by our Society on the 27th of May, though a little late in the season. When any one among us speaks of pansies, John Gerard, our pansy specialist, of New Britain, comes into view as an inseparable concomitant. Hence, we had the pleasure of listening to an able address by Mr. Gerard on "The Merits of the Different Pansy Strains." Thirty-eight years ago, he began the cultivation of his favorite flower; and he has tested nearly all the novelties since produced, and has found only about a dozen to be of special merit. He traced the history of the classifications of the pansy, commencing in 1840, when they were first divided into French, English, and German strains; the first five-blotched type having originated in Switzerland. He illustrated his descriptions of the various strains by picking out specimens from a beautiful collection of blooms brought for this occasion, and not for competition. In the advancement in the production of beautiful colors in pansies, he stated that scarlet is the only color missing to complete the red shades, and that prominent growers in Europe had offered a reward for the origination of a pansy of that color. At the close, Mr. Gerard answered many questions regarding the culture of this flower, and emphasized heat as being its greatest enemy. A fitting vote of thanks was expressed to the speaker for giving us the benefit of his long and intelligent study of the subject. President Huss introduced him as being one of the highest authorities in the country in all matters pertaining to the pansy.

Oscar F. Gritzmacher of New Britain, and Wm. W. Myers of Hartford, brought handsome collections of pansies for competition; and the judges, Messrs. Alex. Cumming, Jr., James P. Ralph, and Howard A. Pinney awarded a certificate of merit to Mr. Gritzmacher, and recommended that a vote of thanks be given to Mr. Myers. The latter also exhibited a specimen lemon, grown in his greenhouse, on a tree three years old and two feet high; the lemon weighing twelve ounces.

Our schedule for the two fall exhibitions is now about completed; and we are thankful for two premium con-

NEPHROLEPIS

Bostoniensis. We have a splendid lot of large specimens in 12-inch pots at from \$5.00 to \$7.50 each—according to size; 6-inch at 50c each.

Elegantissima Improved. This is the finest of this type, never reverting to the Boston type. With us it has not yet shown a single Boston frond. Fine plants, 2 1/4-inch pots, \$10.00 per 100; 4-inch, 25c each; 6-inch, 50c each.

Superbissima. Extra heavy plants, 4-inch pots, 25c each; 6-inch, 50c each; 8-inch, \$1.00 each.

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Assorted Varieties
From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

FRANK OEGHSLIN

tributions by seedsmen, one of \$25 by Arthur T. Boddington of New York, for vegetables; and one of \$5 by Henry A. Dreer of Philadelphia, for his new "Susan" dahlia. All such gratuities tend to the betterment of our exhibitions, and also increase the friendly rivalry among exhibitors. We hope to receive other similar offerings.

The recent lecture by Prof. John J. Ruegg, of Clifton, N. J., on "The New Science of Fertilization and Insectization," was much appreciated by a large audience; and some that hitherto have looked upon the lava fertilizer question as unworthy of attention, have expressed much interest in the subject, and a desire to see this idea experimentally tested.

Our next meeting, June 10th, will probably be Hardy Rose Night, provided these flowers are far enough along to warrant their exhibition.

GEORGE W. SMITH, Secretary.

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low and Orange, &c.

Lilies, Iris, Delphinium formosum, Calceolae, Hyacinthus, Cooperias, Chlidanthus, Amaryllis and other summer flowering bulbs.

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KENTIAS

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NEPHROLEPIS MAGNIFICA

THE SENSATIONAL NOVELTY
Strong 2 1/2-in. stock, \$25.00 per 100.

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2 1/2-in., \$40.00 per 1000; 3 1/2-in., from Bench, \$8.00 per 100.

BOSTON FERNS \$30.00 per 1000.

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It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

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PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maile, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

AMERICAN ASSOCIATION OF NURSERYMEN.

Committees for the Denver Convention are constituted as follows:

Entertainment Committee—F. A. Weber, F. H. Stannard, Peter Youngers, J. W. Hill, C. G. Ferguson, A. M. Ferguson and Geo. B. Fravert.

Finance Committee—Peter Youngers, J. W. Hill, F. H. Stannard, J. A. Lope-man, A. M. Ferguson, C. C. Mayhew and F. A. Weber.

Local Entertainment Committee—A. M. Ferguson, Geo. B. Fravert, C. R. Root, J. A. Valentine, C. G. Ferguson, Mrs. C. G. Ferguson, Mrs. C. R. Root and Mrs. J. A. Valentine.

Press Committee—Wm. Campbell, J. W. Hill and Peter Youngers.

Committee on Entertainment of Ladies—C. G. Ferguson, C. R. Root, J. A. Valentine, Mrs. C. G. Ferguson, Mrs. C. R. Root and Mrs. J. A. Valentine.

Committee on "Moffat Trip"—Entertainment and Local Committees.

General Reception Committee—The Western Nurserymen.

Entertainment Program.

June 7th—Receiving delegates by Local Committee.

June 8th—2 p. m., Ladies will be given "Sight Seeing" Trip through City of Denver—in automobiles—as guests of the Denver Convention League, in connection with the Western Nurserymen.

June 9th—2 p. m., Ladies will be given Matinee party at the Broadway Theatre, as guests of the Denver Convention League, in connection with the Western Nurserymen.

June 10th 9 a. m., Trip over the Moffat Route to Corona, and intermediate points of interest by "Special Train." Luncheon and Refreshments will be served on train by a leading Denver Caterer, returning to Denver about 7 p. m., as guest of the "Western Nurserymen."

The Entertainment Committee is planning other features, which will be announced on the first day of meeting.

AMERICAN GLADIOLUS SOCIETY.

At Horticultural Hall, Boston, Mass., on Friday afternoon, May 27th, the American Gladiolus Society was formed.

A permanent organization was effected with 75 charter members, and a Constitution and By-Laws were adopted. There was great enthusiasm manifest from beginning to end, and the new society starts in with very brilliant prospects.

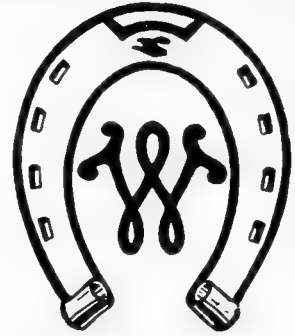
The meeting was called to order by Maurice Fuld of Boston, who by his voluntary efforts deserves great credit for bringing the gladiolus people together. Mr. Fuld stated the purpose of the meeting, and then introduced Professor G. E. Stone of Amherst College, who presided over the meeting. Professor Stone gave a very interesting talk on floriculture, and its relation to the farm and home, and received hearty applause. A paper by H. Youell of Syracuse, N. Y., giving the history of the first varieties of Gladiolus Gandavensis hybrids was listened to with evident appreciation and interest.

The society has accepted an invitation to meet with the Society of American Florists at their annual exhibition at Rochester, N. Y., in August.

The Department of Horticulture of Cornell University, Ithaca, N. Y., has tendered the use of their trial grounds for the growing and testing of varieties of gladioli, and the offer was accepted with a lively vote of thanks. A sincere vote of thanks was also extended to the Massachusetts Horticultural Society for the use of their hall, to Professor Stone for the able manner in which he presided, to Mr. H. Youell for his most interesting essay, and to the Society of American Florists for their kind invitation to meet with them at Rochester.

The meeting was enlivened by spirited but friendly discussion in which the following gentlemen took part: Arthur Cowee, Berlin, N. Y.; Arthur T. Bod-dington, New York City; Montague Chamberlain, Boston; Maurice Fuld Boston; J. K. Alexander, East Bridgewater, Mass.; Robert Cameron of Harvard Botanic Gardens; Eugene Fischer, Jamaica Plain, Mass.; I. S. Hendrickson, Floral Park, N. Y.; Professor L. B. Judson of Cornell University; Carl Cropp, Chicago; and L. Merton Gage, Orange, Mass. The fol-

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lowing officers were elected to serve for one year:

President—I. S. Hendrickson, Floral Park, N. Y.

Vice-President—E. H. Cushman, Syl- vania, Ohio.

Treasurer—Maurice Fuld, Boston, Mass.

Corresponding Secretary—L. Merton Gage, Orange, Mass.

Financial Secretary—H. Youell, Syracuse, N. Y.

Executive Committee—Arthur T. Bod-dington, New York City; Arthur Kirby, New York City; J. K. Alexander, East Bridgewater, Mass.

Committee on Nomenclature—Arthur Cowee, Berlin, N. Y.; Professor L. B. Judson, Cornell University, Ithaca, N. Y.; Leonard Joerg, Floral Park, N. Y. L. MERTON GAGE, Cor. Sec.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The club will hold a field day on Saturday, June 4, with William Sim, Cliftondale. A special electric car will leave the corner of Scollay Square sur- face at 1.30 p. m. Any unable to take this car are invited to take one of the regular subway cars leaving every half hour for Cliftondale.

A cordial invitation is extended to any who are not club members to join in this outing. W. N. CRAIG, Sec.

AMERICAN PEONY SOCIETY.

The annual meeting and exhibition of this Society will be held in Horti- cultural Hall, Boston, on the 9th and 10th of this month. See schedule of prizes in last week's issue of HORTI- CULTURE.

IPOMOEA NOCTIFLORA (MOONVINE)

Pure white, rapid grower, very fragrant and earliest moonvine, with flowers as big as a saucer. Grows 50 feet and over in one season, with thousands of flowers on them. We have grown them for the past 25 years and have established a world-wide reputation, over 25,000 having been shipped all over the United States, Canada and Mexico. Price: 2½-in. pots, \$5.00 per 100; 4-in., \$12.00 per 100.

Nephrolepis. We have the following to offer: Whitman, Boston, Scotti, medium size, 4-in., \$20.00 per 100. Schoelzell, medium size, 4-in., \$25.00 per 100.

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PHILADELPHIA PA.

Wholesale Grower, Importer and Shipper of Pot Plants

Seed Trade

Counter Trade.

Counter trade, while it has slackened materially is still surprisingly active, and each day finds something "running out," making substitutes very necessary, but as a rule these substitutions are in small quantities, and do no one any serious injustice. In fact, superior varieties are more often than not substituted, hence even moral ethics are only very slightly fractured.

League Prices and Estimates.

The latest pronouncement of the Wholesale Seedsmen's League makes one hold his breath in surprise. Prices on turnips and spinach are pretty high, but one is taken up into a sure-enough high mountain when it comes to beets and cabbages. These prices may prove justifiable, but it certainly looks like anticipating a famine, and while we do not assume to criticise, we may remark in passing that the tide of high prices seems to have been checked along general lines, and it may not be wise to boost seeds to unnecessary high levels at such a time.

Speaking on the subject of prices, it is only fair to remark that general contracting prices on crop of 1910 are the highest in a quarter of a century on the lines of peas and beans, while corn and most other lines are higher than the average for the past ten or fifteen years, and this of course justifies some advances on the part of the wholesalers, but it must be assumed that deliveries on biennial root crops will be very light to justify some of the advances made. However, it will not be long before we shall be getting estimates more generally based on actual conditions than for the past few months, then we shall know better how near a correct guess are the recent prices of the League, for it must be remembered they are only guesses based on the best obtainable information and they do not want to guess too low.

No tidings of woe have thus far come from California—at least nothing of an alarming character. No news is surely good news from that land, as our friends of the Golden State never fail to take the seedsmen into their confidence when they are having any hard luck.

The Onion Seed Situation.

A liberal shortage in onion seed would be an unmasked blessing, as this is surely one item of which all of the larger houses will have a considerable carry-over. Still there is another point of view. It is common knowledge that sales of onion seed were very unsatisfactory to the trade in general, and the whys and wherefors have been subjects of lively discussion. Months ago we ventured the opinion that it was due in great measure to the large quantities of local grown seed in all of the large onion growing sections. We still believe this accounts largely for the light demand the past season. There is a very general belief that the home-grown seed is better, and until the local growing is made unprofitable by low prices it will continue, and the seedsmen will have reason to complain of poor demand. We may cite one instance in support of our theory. A certain

prominent wholesaler sold annually for a number of years between 2000 and 3000 lbs. of onion seed to a local dealer, but for the past three years their sales to this dealer have been decreasing, until this year they sold him only 300 lbs., composed wholly of Red and White Southport Globes, and this entirely because these varieties were not locally grown. Of the Danvers types and the Red Wethersfield he was able to secure all he wanted at prices as low, or lower than the seedsman cared to sell, of the "home-grown" seed, and his customers preferred it. This is only one instance; others could be cited if necessary, hence we firmly believe this explains to a considerable extent the disappointing sales by the trade.

Ferry & Co. Doings.

The report that D. M. Ferry & Co. were going to add two stories to one of their large Detroit warehouses has been confirmed. It is also understood that they will rebuild their warehouse at Windsor, Ontario, which was destroyed by fire last winter. The growth of this firm's commission business has been remarkable, and it is said they now have nearly 250,000 merchant customers. We learn that they are about to send out a new and very handsome seed packet, and they will not use transparent paper. It is also rumored that they are getting out a new type of seed box or seed cabinet. They are certainly alive to the needs of the hour.

Speaking of seed packets, have you seen those of the Jerome B. Rice Seed Co.? If their chief competitor excels them, they will surely have to go some. Please also take note of the magnificent new seed cabinet which the J. B. R. S. Co. is sending out.

NEWS NOTES.

Enid, Okla.—The business of Kester & Tarr is now conducted by G. G. Tarr.

Augusta, Ga.—The N. L. Willett Seed Co. are now in their new quarters at 849 Broad street.

Pascoag, R. I.—Wm. Doel has taken possession of the Slade Greenhouses and is now ready for business.

Grand Rapids, Mich.—Nick Luth has four greenhouses 30 x 100 feet here and has started growing vegetables.

Kalispell, Mont.—The King-Thurman Nursery Co. has increased its capital stock from \$10,000 to \$50,000.

Newville, Pa.—The greenhouses formerly conducted by David Nailor are

now owned and operated by D. E. Leckey.

Mobile, Ala.—F. B. Feasell has purchased the Sinclair place at Ocean Springs and intends to build greenhouses.

Wellsville, N. Y.—Mrs. Jennie McEwen has purchased the greenhouse on West street formerly owned by W. F. Yewdall.

Dorchester, Mass.—The Rosemere Conservatories, 38 King street, are under new management, W. H. Tomlinson being the lessee.

Northboro, Mass.—Alfred Thomas of Worcester has purchased the estate of the late Daniel Wesson with its greenhouses, equipment, etc.

Hartford, Conn.—The contract for beautifying the grounds around the 8th district school building has been awarded to C. R. Burr & Co.

Seattle, Wash.—E. C. Flohr is now with F. S. Stimson, florist. He formerly conducted the Benton Junction Nursery near Georgetown, Wash.

Gainesville, Texas.—The greenhouse of Henry Bertram was damaged by fire to the extent of \$2500 recently. The loss is covered by insurance.

Des Moines, Ia.—The Grant Park Greenhouses, East 25th and Walnut streets, have been sold to George Brandtman who is now located at 2406 Logan avenue.

East Sudbury, Mass.—The greenhouses now run by Chester Williams and which were formerly owned by Coolidge Bros., pass into other hands June 1st. The control will be assumed by one of the former owners it is reported.

Hiawatha, Kans.—In our last issue we reported Miss Susan Margrave as building an addition. She now informs us that she intends to build one house 20 x 60 and a lean-to 12 x 110 feet. This will give her about 6,000 feet of glass of modern construction.

Memphis, Tenn.—Messrs. Otto Schwill & Co. inform us that they are not to build greenhouses as has been reported. They do, however, intend to build a large seed warehouse this summer and ground has already been broken for the building. They expect to spend between \$75,000 and \$85,000 on this building and will be 100 x 180 feet, five stories in height and will contain all the modern improvements in seed cleaning machinery.

Cedar Rapids, Ia.—Grant Newport informs us that in addition to the houses he intends to build, which we reported in our last issue, he will build two pits 11 x 100 for lettuce. He now has 7 houses containing 18,000

Only Ten Thousand Left

BRENCHLEYENSIS, pure scarlet, *Gladiolus*.

First size Bulbs 75c. per 100, \$6.00 per 1000.

Regular Price, \$12.00

Henry F. Michell Co.

518-1018 Market Street,

Philadelphia

feet of glass. His plant was started 9 years ago with one house 20 x 100 feet. During the bedding season just finished he had 100,000 bedding plants and 300,000 vegetable plants. Most of his glass is at present in cucumbers.

"The Hospitality Committee of the 1915 Movement might consider a banquet to the visiting orchids at Horticultural Hall this week. Some of those five thousand dollar-a-piece-orchids the committee are informed have been living on air and water for 20 years."—*Boston Record.*

GEORGE C. WATSON SEEDSMAN

DOBSON BUILDING

9th and Market Sts., Phila.

Sole Agent United States and Canada for
Barenbrug, Burgers & Co.

FANCY GRASS SEEDS
Arnhem, Holland

Philadelphia Representative:
J. C. VAUGHAN, Chicago and
New York
Seeds and Bulbs

WESTERN SPRINGS NURSERIES
Plants

HORTICULTURE PUBLISHING
COMPANY

Subscriptions, News, Advertising

Keystone Phone, 5248 D Main
Bell Phone, 5639 Walnut

(Passenger Elevator Entrance)
839 Market St.

(Freight Elevator)
9 North 9th St.

**MICHELL'S SEEDS
BULBS
ARE GOOD**
Send for Wholesale Price List
518 and 1018 Market St., Phila.

We Would Announce the Opening of our New Store

"BUDS"
76 Barclay Street, New York
High Grade Seeds, Bulbs and Plants

Give us a call

CARL R. GLOECKNER, Pres.

VEGETABLE PLANTS

Per 100 Per 1000

CABBAGE—All Head Succession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 20c. \$1 00
10,000 and over 85cts. per 1,000

EGG PLANTS — Black Beauty and New York Improved 40c. 2.00

PEPPERS—Bull Nose, Ruby King and Sweet Mountain 40c. 2.00

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.
White Marsh, Md.

LEONARD SEED CO.

CONTRACT GROWERS AND WHOLESALE DEALERS

BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

ONION SETS

FLOWER SEEDS Get Our Prices

79 and 81

E. KINZIE STREET, CHICAGO

ESTABLISHED 1820

RUSH ORDERS!

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahllas, Gladioli, Small Fruits.

RUSH ORDERS

James Vick's Sons
ROCHESTER, - N. Y.

Mention this paper



A SUBSTITUTE For Bordeaux Mixture

10-gal. keg making 1,500 gals. Spray; delivered at any R. R. station in the United States for \$12.50. Prompt shipments. Write to day for full information.

B. G. PRATT CO., Manufacturing Chemists,
50 CHURCH ST., NEW YORK CITY

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE
Florist and Market Gardener.
Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

C AULIFLOWERS
C A B B A G E
LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.
Longangsstraede 20,
COPENHAGEN, DENMARK.

SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

Primula Chinensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

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Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

**Thorburn's
Bulbs**

We are booking orders now for Harrisii and Formosum and other Japan Lilies, also Roman Hyacinths and Paper White Narcissus.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK
Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.
26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.



**SEASONABLE
SEEDS
FOR THE
FLORIST**

H. E. Fiske Seed Co.,
Boston, Mass.

DON'T FORGET

to give us a trial on Asters, Mignonne, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.

We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.,** 1215 Betz Bldg., Philadelphia, Pa.

Katalog for the asking.

In ordering goods please add "I saw it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

Artistic Designs . . .
High Grade Cut Blooms

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

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Coates House Conservatory

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Both 'Phones 2670 Main.



WASHINGTON,
D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Decoration Day this
WASHINGTON year has broken all
records as far as
prices were concerned. There was a
marked scarcity in all kinds of flow-
ers, particularly the outside ones. The
rains and cold weather had almost en-
tirely destroyed all garden roses and
persons had to fall back on greenhouse
blossoms, which sent prices soaring up.
Crimson Rambler roses which are usu-
ally about done for by Decoration Day
were in most cases just showing color
this year. They will be in full force
for the Confederate Decoration on June
5th. The usual tribute was paid to the

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow... June 10

Atlantic Transport.

Minneapolis, N. Y.-London... June 10

Cunard.

Ivonia, Boston-Liverpool... June 7

Lusitania, N. Y.-Liverpool... June 8

Caronia, N. Y.-Liverpool... June 11

French.

La Savoie, N. Y.-Havre... June 9

Hamburg-American.

Amerika, N. Y.-Hamburg... June 4

Pres. Grant, N. Y.-Hamburg... June 8

Cincinnati, N. Y.-Hamburg... June 11

Leyland.

Devonian, Boston-Liverpool... June 8

North German Lloyd.

K. Wilh'm II, N. Y.-Bremen... June 7

G. Wash'g'tn, N. Y.-Bremen... June 9

K. W. Der G., N. Y.-B'm'n... June 14

Berlin, N. Y.-Mediterranean... June 4

Fr'h Der Grosse, N. Y.-Med... June 11

Red Star.

Finland, N. Y.-Antwerp... June 4

Vaderland, N. Y.-Antwerp... June 11

White Star.

Arabic, N. Y.-Liverpool... June 4

Baltic, N. Y.-Liverpool... June 11

Teutonic, N. Y.-S'hampton... June 8

Canopic, Boston-Mediterr'n... June 11

Cymric, Boston-Liverpool... June 14

sailors who perished at sea, viz., the
launching of a flower laden boat near
the Barracks. The beautiful floral offer-
ing drifted down, down with the
stream until it became water logged
and the relentless waters claimed it as
it had the unfortunate sailors before.
At the present writing the weather is
as cold as the early spring should be.
Nothing can grow; the bedding stock
planted weeks ago is at a perfect
standstill. The law of compensation
still holds good, however, for green-
house stock is still in good demand.

NEW FLOWER STORES.

Troy, Ohio.—Mrs. Henslee.

Pittsburg, Pa.—Fritz Ueberle.

Binghamton, N. Y.—S. H. Decker.

72 Court St.

Corry, Pa.—Olds Greenhouse Co.,
West Main St.

Corry, Pa.—Union City Greenhouses,
20 West Main street.

Minneapolis, Minn.—Dykeman Flor-
al Shop, Dykeman Hotel.

Minneapolis, Minn.—H. B. Chapman
Co., 8th St. & Nicollet Ave.

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplur.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

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BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



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FLORISTS'
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., All in Stock

NEW ENGLAND**FLOWER DELIVERIES**

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN

124 Tremont St., Boston

THE BOSTON**CUT FLOWER CO.**

Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.

14 Bromfield Street, Boston.

Telephone, Main 3681.

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

ROSENS48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.**FLORISTS' SUPPLIES**

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGEDana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.

GEO. A. HEINL, TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED**Florists' Refrigerators**

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

153 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

Winchester, Mass.—J. Newman & Sons have decided to give up the greenhouse end of their business, supplying their store in Boston by purchase in the wholesale markets exclusively. The greenhouses, contents and land which they have occupied for so many years in this town are to be sold.

A NEW FAD.

Are Things Beginning to Come Our Way?

JOHN I. RAYNOR RETIRES FROM BUSINESS.

On June 6, John I. Raynor retires from the wholesale flower trade and the business carried on by him for so many years at 49 West 28th street, New York City, will be conducted thereafter by Patrick Smith, who has served as foreman with Mr. Raynor during the entire period.

The business at 49 West 28th street was established by Burns & Raynor, this firm being the first to open in the block destined to eventually become the greatest wholesale flower centre in the world, and the business was a great success from the start. When Alexander Burns withdrew from the firm Mr. Raynor continued the business under his own name and the extraordinary prosperity which it enjoyed has continued up to the present time, with a record of business ability and integrity which has never been assailed. We extend to Mr. Raynor our sincerest wishes for health and happiness in the well-earned rest and retirement from business cares which he seeks, but 28th street will never seem natural without him.

Mr. Smith has been a faithful, industrious employe and will undoubtedly carry on the business with the same methods and principles as have prevailed heretofore. He has our heartiest good-will and we hope to see him retain in the fullest degree the eminent position occupied thus far by the establishment over which he now assumes full control.

NEWS NOTES.

Pittsburg, Pa.—J. J. Fuchs has closed his Bloomfield store.

St. Johns, N. B.—The store of W. & K. Pedersen, florists, has been moved from 31 to 49 Charlotte street.

Kansas City, Kans.—The business of James Brough, 812 Minnesota avenue has been purchased by J. F. Ephraim-

son. Miss Maud Ferguson will assist him.

Rogers, Ark.—R. O. Ball, formerly of Coffeyville, Kans., has purchased and will conduct the business of Mrs. E. D. Phelps.

St. Louis, Mo.—The Foster Floral Co., now in the Century Bldg., has leased number 505 Olive street for three years.

Toronto, Ont., Can.—Aten & Moreland is the name of the firm formerly known as Aten & Wilson. Mr. Wilson has retired.

"FLOWERS BY TELEGRAPH."**Leading Retail Florists Listed by Towns for Ready Reference.**

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Hoffman, Florist, 39-61 Massachusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 530 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 80 St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heind.
Toronto, Can.—J. H. Dunlop, 36 Young St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

WE OFFER
For June Weddings and Commencements
Beauties.

Best \$3.00 per dozen.

Killarney, Maryland, Richmond,
Brides and Maids

Very Choice Stock. \$5.00—\$6.00 per 100

Nearby Dagger Ferns

\$1.00 per 1000

LEO NIESSEN CO.
WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and
Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

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CHOICE VALLEY

W. E. McKISSICK & BROS., Wholesale Florists
1619-1621 Ransstead St., Philadelphia

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR
51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE

CUT FLOWERS
37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004
WINTERSON'S SEED STORE
45-47-49 Wabash Ave., Chicago.
Seedsmen, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the Florist. SUPPLY CATALOG FREE. Correspondence solicited.

POEHLMANN BROS. CO.
43-35-37 Randolph St., - CHICAGO
CUT FLOWERS

Greenhouses, - Merton Grove, Ill.

Rice Brothers
115 N. 6th Street, MINNEAPOLIS, MINN.
WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	May 31		May 31		May 31		June 2	
ROSES								
Am. Beauty, Fancy and Special...	25.00	to 30.00	35.00	to 45.00	20.00	to 25.00	18.00	to 25.00
" Extra	20.00	to 25.00	25.00	to 35.00	12.50	to 15.00	12.00	to 15.00
" No. 1.....	15.00	to 20.00	20.00	to 25.00	8.00	to 10.00	8.00	to 10.00
" Lower grades.....	5.00	to 10.00	10.00	to 20.00	2.00	to 6.00	3.00	to 8.00
Bride, 'Maid, Chatenay, F. & S.	4.00	to 6.00	7.00	to 9.00	6.00	to 8.00	5.00	to 8.00
" Lower grades.....	3.00	to 4.00	6.00	to 8.00	3.00	to 5.00	1.00	to 3.00
Killarney My Maryland, Fan. & Sp	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 12.00
" Lower grades.....	4.00	to 5.00	6.00	to 8.00	3.00	to 5.00	1.00	to 3.00
Richmond, Fancy & Special.....	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
" Lower grades.....	4.00	to 5.00	6.00	to 8.00	3.00	to 5.00	1.00	to 3.00
Kaiserin, Carnot, Fancy and Sp.....	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00	.....	to
" Lower Grades.....	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00	.....	to
CARNATIONS, Nov. and Fan.								
" Ordinary	3.00	to 4.00	4.00	to 5.00	.....	to 3.00	3.00	to 4.00
"	1.00	to 2.00	2.00	to 3.00	1.50	to 2.00	1.00	to 2.00
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	50.00	to 60.00	50.00	to 60.00	40.00	to 50.00
Lilies.....	12.00	to 15.00	12.50	to 15.00	10.00	to 12.00	6.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Stocks.....	4.00	to 6.00	.....	to	2.00	to 3.00	.....	to
Pansies.....	.50	to 1.00	.75	to 1.00	.....	to .....	.50	to 1.00
Daisies.....	.50	to 1.00	.75	to 1.25	.75	to 1.50	2.00	to 4.00
Snapdragon.....	3.00	to 5.00	6.00	to 8.00	.....	to	4.00	to 8.00
Peonies.....	4.00	to 8.00	.....	to	4.00	to 8.00	.75	to 2.00
Sweet Peas.....	.50	to 1.25	1.00	to 2.00	.75	to 1.00	.25	to 1.00
Gardenias.....	20.00	to 30.00	15.00	to 25.00	15.00	to 25.00	8.00	to 12.00
Adiantum.....	.....	to 1.00	.75	to 1.25	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 15.00	.....	to 20.00	12.00	to 16.00
Asparagus Plumosus, strings (100)	50.00	to 60.00	45.00	to 60.00	.....	to 50.00	.....	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 30.00	25.00	to 35.00	35.00	to 50.00	.....	to 50.00

FLOWERS AND GREENS!

In our **GREEN DEPARTMENT** we have New Crop Dagger and Fancy Ferns, \$1.50 per 1000; Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

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10,000....\$1.75; 50,000....\$7.50. Sample free.

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Long Distance Phone Randolph 2758 Telegraph, Telephone or, We Grow Our Own Flowers. Bring in Your Orders. Roses and Carnations Our Specialty

Flower Market Reports.

BOSTON The greatest day in the year from the viewpoint of the growing and wholesale florist trade in Boston is Decoration Day. The Christmas and Easter holidays are second to this great annual event and the fact that flowers are always abundant and reasonable in price and the market is ready to assimilate everything of moderate value makes this a very profitable occasion for many florists to whom the fancy high-class trade enjoyed at certain seasons in the year is unknown. This year was exceptional in the conditions prevailing previous to the holiday and there was more or less apprehension among the consumers as to whether the supply would be sufficient and naturally more or less disposition among the producers to place an exceptional value on their stock, in consequence. It turned out that there was an abundance of desirable material at the disposal of all and as heretofore, the lower priced material had the right of way. Roses were in full supply, the demand running strongly toward the \$2.00 to \$4.00 grades and shunning the select stock. This was true of all varieties. American Beauty included, choice grades being left behind. The local trade was not heavy but the shipping call was the biggest on record and much embarrassment was experienced by the wholesalers in getting transportation for their goods Saturday night with an assurance of delivery on Sunday. In many instances baggage-masters had to be impressed into service at an additional cost to which telephones and telegraph expenses had to be added. The only thing in the list which showed a material advance in market value over normal prices was the carnation. This staple practically doubled in value and it managed to maintain the advance till the windup, something unprecedented and, in a way, inexplicable. Among the things which did not sell readily, or were left unsold were gardenias, lily of the valley, single stocks, poeticus, sweet peas and southern grown peonies. The latter failed because they were received in very bad condition. Sweet peas sold well when of good quality but there was a large proportion of low grade stock, showing signs of storage, and this could not be moved. Astilbe was superb and sold very satisfactorily. Deutzia, which has in previous years been a prominent factor in the Decoration Day trade, was conspicuously absent. Altogether the general comment is that the celebration, from a florists' viewpoint, was a magnificent success.

Since last report there has been a decided change in the flower market and for the better side. Up to Thursday a week ago there was little or no business, but it gradually brightened as Memorial Day drew near and on Friday and Saturday everybody was on the hustle. The days being cool and ideal weather for shipping stock kept in much better condition than heretofore. There was plenty of stock, but much more could have been disposed of had it been had at the right time. Peonies were a great help-out and excellent stock was had which sold



For the June Girls' Bouquet

Luxury and exclusiveness in Florists' Ribbons are a special feature of the P. M. business. For weddings and commencements we call special attention to the



Satin Taffetas

which we carry in many grades and patterns such as:—701, 697, orchid, Beauty, 697, 721, 639, etc., but the finest and most appropriate for the above is

Pattern 1805

	Price
Width No. 22.....	\$1.30
Width No. 40.....	1.60
Width No. 60.....	2.25
Width No. 80.....	2.65
Width No. 150.....	2.90

We are also strong on Patterns Killarney, American Beauty, Maryland and orchid—and call particular attention to our

Chiffons

in various patterns. Send for complete catalogue.

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW STREET,

PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI May 31	DETROIT May 31	BUFFALO May 31	PITTSBURG May 31
ROSES				
Am. Beauty, Fan. and Sp.....	25.00 to 35.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
“ Extra.....	15.00 to 25.00	15.00 to 20.00	15.00 to 20.00	12.00 to 15.00
“ No. 1.....	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00	5.00 to 8.00
“ Lower grades.....	6.00 to 8.00	4.00 to 10.00	2.00 to 4.00	..... to 2.00
Bride, 'Maid, Chateaux, F. & S....	4.00 to 6.00	6.00 to 8.00	8.00 to 10.00	6.00 to 8.00
“ Low. gr.....	2.00 to 4.00	4.00 to 6.00	8.00 to 10.00	8.00 to 10.00
Killarney, My Maryland, Fan. & Sp	4.00 to 6.00	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00
“ Lower grades.....	2.00 to 4.00	4.00 to 6.00	2.00 to 8.00	3.00 to 6.00
Richmond, Fancy & Special.....	4.00 to 6.00	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00
“ Lower grades.....	2.00 to 4.00	4.00 to 6.00	2.00 to 8.00	3.00 to 6.00
Kaiserin, Carnot, Fancy and Sp....	6.00 to 8.00	6.00 to 8.00	..... to	6.00 to 8.00
“ Lower Grades.....	4.00 to 6.00	4.00 to 6.00	..... to	2.00 to 4.00
CARNATIONS, Novelty and Fancy				
“ Ordinary.....	..... to 3.00	2.00 to 3.00	..... to 3.00	2.50 to 3.00
“ .....	..... to 2.00	1.00 to 2.00	1.50 to 2.50	1.50 to 2.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	..... to	50.00 to 75.00	50.00 to 75.00
Lilies.....	8.00 to 12.50	12.50 to 15.00	8.00 to 12.00	8.00 to 10.00
Lily of the Valley.....	..... to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Stocks.....	1.00 to 2.00	3.00 to 6.00	..... to	3.00 to 6.00
Pansies.....	..... to .....	..... to .....	..... to .....	..... to .50
Daisies.....	.84 to .50	.50 to 1.00	1.00 to 2.00	1.00 to 1.50
Snapdragons.....	2.00 to 6.00	3.00 to 5.00	5.00 to 8.00	4.00 to 8.00
Peonies.....	2.00 to 4.00	6.00 to 10.00	2.00 to 6.00	4.00 to 6.00
Sweet Peas.....	.35 to .75	.75 to 1.50	.50 to 1.00	.50 to 1.00
Gardenias.....	1.00 to 2.00	..... to	15.00 to 20.00	..... to
Adiantum.....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	10.00 to 12.50	15.00 to	15.00 to 20.00	15.00 to 20.00
Asparagus Plumosus, strings (100)	25.00 to 35.00	30.00 to 50.00	50.00 to 60.00	25.00 to 50.00
“ “ & Spreng. (100 bchs.)	..... to 25.00	30.00 to 50.00	25.00 to 50.00	25.00 to 50.00

readily. Other outdoor stock was not plentiful as tulips, iris, lilac and lily of the valley were about over and narcissus were had only in small quantities, which made carnations in better demand. The supply was somewhat decreased on account of a few days of cold weather and many more could have been used to advantage. The quality was good, the colored being in best demand, though anything and everything moved and vasing up was out of the question. The coolers were

relieved of a good portion of roses and other material which had been carried along from day to day. Giganteum lilies were in good supply and sold with the rest, also peas, daisies, pansies, and anything that looked like a flower was sure to exit. Trade would have been much heavier had the Sunday and Monday rainstorms held off, but all in all the trade is satisfied with the volume of business had the last few days.

(Reports continued on page 865)

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Open from 5 a. m. to 6 p. m. Sunday
till 10 a. m. **CUT FLOWERS**
Tel 5243 and 2921 Madison Sq. Res., 345 J., Newtown.
Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending May 28 1910		First Half of Week beginning May 30 1910	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 20.00
“ “ Extra.....	8.00	to 12.00	8.00	to 12.00
“ “ No. 1.....	5.00	to 6.00	5.00	to 6.00
“ “ Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Bride, 'Maid, Golden Gate, Fancy and Special.....	3.00	to 5.00	3.00	to 5.00
“ “ Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	3.00	to 8.00	3.00	to 8.00
“ “ Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Fancy and Special.....	6.00	to 8.00	5.00	to 8.00
“ “ Lower Grades.....	1.00	to 3.00	1.00	to 3.00
My Maryland.....	1.00	to 8.00	1.00	to 8.00
Carnations, Fancy and Novelties.....	3.00	to 5.00	2.00	to 3.00
“ “ Ordinary.....	1.00	to 2.00	1.00	to 1.50

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THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES 1664-1665 MADISON SQUARE
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Preserved and Fresh Cut
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NOVELTIES**
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Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
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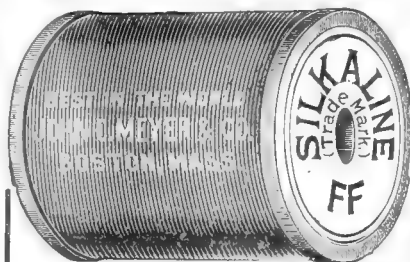
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A. L. YOUNG & CO.

RECEIVERS & SHIPPERS OF CUT FLOWERS.

CONSIGNMENTS SOLICITED.

Flower Market Reports

(Continued from page 863)

CHICAGO Another Memorial Day is over and florists generally are pleased with the outcome. In a general way conditions were very satisfactory. Stock was not so abundant that prices were low nor yet so high as to be prohibitive. Carnations ranged from four to six dollars and on Friday and Saturday were about equal to the demand, but on Sunday there was a shortage. Monday morning brought plenty but the demand was over. It was a Decoration Day trade devoted to indoor stock mostly. Cape jasmines from the south and peonies from any possible source were the only flowers from outside. Some of the jasmine experienced warm weather in transit and was poor in consequence, but the most of it was of good grade. Peonies were short and prices usually high. The keeping qualities of the stock are said by many to be rather poor. Roses were sufficient in number except Richmonds and Beauties. The retail florists report the injury to the peonies to be very apparent in their keeping qualities. That the crop is decidedly short is now admitted by all.

NEW YORK New York City florists' customers don't make much trouble on Decoration Day. There is a big consumption of flowers in the outlying districts and throughout the Long Island cemetery section and florists catering to that element have their hands more than full. Consequently the wholesale markets are overrun with demand for moderate priced material, for the moment, but the regular trade which must be looked to for support three hundred and sixty-five days in the year make no particular demonstration on Memorial Day and the goods which must look to this element for appreciation enjoy no special privileges on this occasion. Moderate priced flowers sold out good, if of acceptable quality, on the day's preceding Memorial Day. Carnations, if good, brought fine prices throughout and roses of medium grade were in excellent demand. Otherwise, the normal serenity of the wholesale section was not disturbed in any noticeable degree by the Memorial Day sentiment.

We Beg to Announce

that on and after July 1st, 1910, the premises on the first floor of the Coogan Bldg. will be under the management of A. MOLTZ & COMPANY, who will sell at wholesale only, all flowers in season in addition to roses.

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106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending May 28 1910		First Half of Week beginning May 30 1910	
Cattleyas.....	35.00	to 60.00	35.00	to 60.00
Lilies.....	2.00	to 5.00	2.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Peonies.....	4.00	to 6.00	4.00	to 6.00
Mignonette.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas (per 100 bchs).....	4.00	to 6.00	4.00	to 6.00
Gardenias.....	3.00	to 12.00	3.00	to 10.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	12.00	to 16.00	12.00	to 16.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Sprea. (too bchs).....	15.00	to 25.00	15.00	to 25.00

Decoration Day found the **ST. LOUIS** market surprisingly high in prices, much more than the trade expected to pay, especially with the big amount of stock on the market. The demand was not so great with the retailers on Decoration Day as was the day before with orders for shipments to small nearby towns. The florists near the cemeteries did a big business with plants, cut flowers being too high in price. The wholesalers were asking for carnations as high as \$6 per 100 for fancy stock, and \$4 to \$5 for first grades. Roses brought

from \$5 to \$8; Beauties, \$35 to \$50 for long fancy; sweet peas, all the way from 35 to 75 cents; lily of the valley, \$3 to \$4. Peonies were not overplentiful at \$5 to \$8; lilies and callas, \$10 to \$12.50; gladioli, \$6 to \$8. All sorts of greens sold well and there was plenty of it for all.

(Continued on page 870)

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Fully Guaranteed.
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Buyer's Directory and Ready Reference Guide

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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Strong Rooted Cuttings. Per 100 Per 1000
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Alyssum. \$2.00 per 100. E. H. Frenking,
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For page see List of Advertisers.

Asparagus Sprengerii, 2½ inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 per 1000; 10 cents for sample. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

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BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
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BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
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Godfrey Aschmann, Philadelphia, Pa.
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I. M. Rayner, Greenport, L. I., N. Y.
For page see List of Advertisers.

J. Wm. Colfesh, Philadelphia, Pa.

Per 100

Begonia Vernon, 3 inch, in bloom.... \$5.00
Petunia, Dreer's, Double, 4 inch..... 8 0
Petunia, Dreer's, Single, 4 inch..... 5.00
Vinca, Var., 4 inch..... 10.00

The following in 2½ and 3 in., fine stock, at \$2.75 per 100: Alternantheras, red and yellow; Mme Sallerol Geranium; Centaurea (Dusty Miller); Lobelia Crystal Palace; Verbena Mammoth Mixed; English Ivy; Celosia Cristata and Cockcomb; Snapdragon Majus large; Pennisetum or "fountain grass"; Vinca rosea and Periwinkle.

Asparagus Sprengerii and Smilox, 2 in., \$2.00 per 100, \$18.00 per 1000.

Pansies and Myosotis in bloom, \$1.50 per 100. WM. ESCHIRICH & CO., No. Milwaukee, Wis.

BEDDING PLANTS—Continued

Bedding Plants. Geraniums in bud and bloom. Nutt, Trego, La Favorite, Vland. Jaulin. Poitevine, 3½ in., \$6.00 per 100; Heliotropes, 3½ in., \$6.00 per 100; Fuchsias, best market varieties, including Little Beauty, 2 and 3½ in., \$2.50 and \$6.00 per 100; Sallerol Geraniums, Abutilon Savitzii, Parlor Ivy, White Marguerite Daisies, 3 in., \$5.00 per 100; Begonia Semperflorens, Vernon, Erfordl, Vesuvius; Ageratum Gurney, 3 in., \$4.00 per 100; Verbenas, Dusty Miller, Blue Lobelias, Achyranthus Lindenii, 2½ in., \$2.50 per 100; Alternantheras, red and yellow, 2 in., \$2.00 per 100; Hardy blue Forget-me-nots, heavy clumps, \$2.00 per 100. Cash. F. Sokol, College St., Worcester, Mass.

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Thomas Roland, Nahant, Mass.
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Begonia Lorraine and Agathe, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

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Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

Ralph M. Ward & Co., 12 W. Broadway, New York.

For page see List of Advertisers.

Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

For page see List of Advertisers.

BULBS AND TUBERS—Continued

H. E. Fiske Seed Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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"Buds", New York, N. Y.
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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Wood Bros., Fishkill, N. Y.

Rooted Cuttings.

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Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

Charles H. Totty, Madison, N. J.
For page see List of Advertisers.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

For page see List of Advertisers.

CHRYSANTHEMUM ROOTED CUTTINGS

WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonnafton, Y. Eaton, Crema, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list. Wm. Swayne, Box 215, Kennet Sq., Pa.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C. Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

Gloria, 100 \$2.50; Pres. Taft, Mrs. W. E. Kelly, 100 \$3.00; Golden Glow, Pacific Supreme, White Cloud, 100 \$1.25. Rooted cuttings prepaid. Gloria, 2½ in., \$3.00 Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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CLEMATIS

Clematis paniculata, splendid stock and plants, \$1.00 per doz.; \$6.00 per 100. Large flowering, purple, red, white and blue, \$2.00 per 10. F. A. Baller, Bloomington, Ill.

COLEUS

J. E. Felthousen, Schenectady, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

Or Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen Giganteum, extra well grown plants from 3 in. pots, \$7.00 per 100. Paul Mader, East Stroudsburg, Pa.

Cyclamens—finest stock—in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.
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Herbert, Acto, N. J.
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If you are looking for up-to-date Dahlias send for my 1910 trade prices on field clumps. J. K. Alexander, The Eastern Dahlia Klug, E. Bridgewater, Mass.

DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Shasta Daisy Alaska, extra large, field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Joseph Heacock Co., Wyncote, Pa.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Godfrey Aschmann, Philadelphia.
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DRACANEAS

A. N. Pierson, Inc., Cromwell, Conn.
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Dracaenas, 5-in. pots, 20c. each; \$18.00 per 100. Suitable for vase filling. Cash. with order. The William Scott Co., Buffalo, N. Y.

Dracaena Indivisa, 6 in. pots, \$4.00; 5 in., \$3.00 per dozen. Strong plants. Vinca Variegata, 4 in. pots, \$1.50 per dozen; \$10.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

Dracaena Indivisa, 4-in., strong, \$8.00 per 100; 6-in., \$25.00 per 100. E. H. Frenking, 1200 Hamilton, N. J.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Nephrolepis Magnifica.
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Frank Oechslein, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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D. D. Johnson Co., Chicago, Ill.
Evergreen Brand Fertilizer.
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Wm. Elliott & Sons, New York, N. Y.
Clay's Fertilizer.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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GERANIUMS

B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbierer, 6417 Carnegie Ave., Cleveland, O.

Geraniums, rooted cuttings of Riccard, Poitevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums, Ricard, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

E. S. Miller, Wading River, L. I., N. Y.
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GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

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Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS

J. Wm. Goldsch, Philadelphia, Pa.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
F. R. Palethrope Co., Owensboro, Ky.
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Kiln-dried Tobacco Dust.
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IRIS

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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

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Ellwanger & Barry, Rochester, N. Y.
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Bay State Nurseries, North Abington, Mass.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

**TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS**
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID PLANTS—Continued

Arthur T. Boddington New York, N. Y.
Oncidium Importation.
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Alphonse Pericat, Collingdale, Phila., Pa.
J. A. Newsham, New Orleans, La.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
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A. N. Pierson, Cromwell, Conn.
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Palms. *Latania borbonica*, 5-in., good
stock, 18c. *Gilbert Costich*, Rochester,
N. Y.

PANSY PLANTS.

Pansy plants—choice, fancy, large plants
in bud and flower, \$8.00 per 1000. Union
Gardens, Amherst, Mass.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

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PEONIES

PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfield, West Point, Neb.

PETUNIAS

B. Vincent, Jr. & Sons Co., White Marsh,
Maryland.
Double Petunias.
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Petunias, 2½-in., \$2.00 per 100. E. H.
Frenking, 1200 Hamilton, Trenton, N. J.

PHLOXES.

Plox Drummondii nana compacta, \$2.00
per 100. E. H. Frenking, 1200 Hamilton,
Trenton, N. J.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

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Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIVET

Amoor River, 18,000 12 to 18-in., well-
branched, \$12.00 per 1000; 3000 30 to 36-in.,
heavy, \$25.00 per 1000. California, 23 000
12 to 18-in., 2 to 5 branches, \$10.00 per 1000;
4000 18 to 24-in., well-branched, \$12.00 per
1000. Cash with order. Valdesian Nur-
series, Bostic, N. C.

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Rose "Flower of Fairfield" Ever-Blooming
Crimson Rambler.
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R. T. McGorum, Natick, Mass.
Grafted Bride Roses.

Roses, from 2 1/2 inch pots, fine stock.
The following varieties at \$3.00 per hun-
dred, \$25.00 per thousand, 25 plants of a
kind at the hundred rate, 250 at the thou-
sand rate:

Agrippina	White Bougere
Bridesmaid	Bride
Clothilde Soupert	Bon Silene
Catharine Mermet	Coq. de Lyon
Golden Gate	Mrs. Ben. R. Cant
Mad. Abel Chatenay	Mad. Joseph Schwartz
Mlle. F. Kruger	Safrano

The following varieties at \$3.00 per hun-
dred, \$27.50 per thousand:

Antoine Revolve	Climbing Kaiserin
Cl. Meteor	Cl. Malmalson
Etoile de Lyon	Maman Cochet
Helen Gould	Md. Weihe
La France	Papa Gontier
Pink Cochet	White Cochet
Souv. de la Malmalson	

The following at prices named: Per 100

Blumenschmidt	\$3.00
Climbing Killarney	4.00
Climbing Perle des Jardins	3.00
Dinsmore	3.00
Helen Good	3.00
Kaiserin Augusta Victoria	3.00
Killarney	3.50
Margaret Dickson	3.50
Mrs. John Laing	3.50
Mad. Masson	3.00
Mad. Chas. Wood	3.00
Marechal Niel	3.00
Rhea Reid	3.50
Souv. de Pres. Carnot	3.00
Wellesley	3.00
Wm. R. Smith	3.00

The Good & Reese Co.
Largest Rose Growers in the World, Spring-
field, Ohio.

ROSES — Continued

J. Wm. Coldesh, Philadelphia, Pa.
Jackson & Perkins Co., Newark, N. Y.
The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.
Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

RUBBER PLANTS

Bobbink & Atkins, Rutherford, N. J.
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Young Rubber Plants, 2 1/2 in. pots, \$15.00
per 100. Order early, limited quantity.
Bobbink & Atkins, Rutherford, N. J.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
Langangstraede 20, Copenhagen, Denmark.
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SEEDS

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SMILAX

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SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkaine.
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SOUTHERN SMILAX

Louisville Floral Co., Louisville, Ala.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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STROKUM TREE BINDING

George Stratford Oakum Co.,
Jersey City, N. J.

SULFOCIDE

B. G. Pratt Co., New York, N. Y.
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SULPHUR BURNER

Benjamin Dorrance, Dorrance, Pa.
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SWEET PEAS

A. C. Zvolanek, Bound Brook, N. J.
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VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.
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A large stock of sweet potato plants
now ready. Yellow Nansemond, Big Stem
Jersey and Early Golden, \$1.25, 1000;
\$10.00, 10,000. H. Austin Co., Felton, Del.
Cauliflower Early Snowball, fine plants,
45c. per 100; \$3.00 per 1000. Cash.
Ray H. Palmer, Randolph, N. Y.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VERBENAS

Verbenas, 2 1/2 in., \$2.00 per 100. E. H.
Frenking, 1200 Hamilton, Trenton, N. J.

WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wickers & Co., Gretna,
La.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.
William E. Hellscher's Wire Works, 38-40
Broadway, Detroit, Mich.
Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS

Boston

N. F. McCarthy & Co., 84 Hawley St.,
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H. M. Robinson & Co., 15 Province St.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Elllicott St.,
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Chicago

Chas. W. McKellar, 51 Wabash Av.,
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Poehlmann Bros. Co., Morton Grove, Ill.
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Hoerber Bros., Atlas Block, 51 Wabash Av.,
Chicago.
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In writing to Advertisers kindly mention Horticulture

WHOLESALE FLORISTS— Continued

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The J. M. McCullough's Sons Co., Cincinnati, Ohio.
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Cromwell, Conn.

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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.
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Phillip F. Kessler, 55 & 57 W. 28th St., New York.
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A. L. Young & Co., 54 W. 28th St., N. Y.
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J. K. Allen, 106 W. 28th St., New York.
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Charles Millang, 55 and 57 West 28th St., New York.
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Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.

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CASTLE AUTOMATIC CIRCULATOR

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Julius Roehrs, Rutherford, N. J.
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VEGETABLE MANURE.

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Flower Market Reports.

(Continued from page 865)

PHILADELPHIA

While Memorial week prices this year were rather under those of last year on the average, the volume of business in this market was bigger than ever and, as one authority in the wholesale center stated it—"best Memorial Day week we ever had!" The outside demand was excellent, and in the suburban and cemetery localities all the retailers did an excellent business. The weather was fine—and in an outside festival like Decoration Day the weather is "The" important factor. The big retail stores in the center of the city hardly felt any difference to speak of. We presume such a condition is common to any big metropolitan city, but does not accentuate in the smaller cities and towns. The shipping orders came of course from eastern, northern and western points, Memorial Day not being a southern festival. The most popular sellers of the week were peonies and carnations. In the latter the colored sold as well as any; but in peonies the white and light were most in demand. Roses went fairly well—especially in the medium grades. Quality in roses keeps up in good shape all along the line. Orchids are still plentiful and very good. Gigas cattleyas are now arriving and they are certainly magnificent flowers. Mossiae is also good. Indoor sweet peas have improved with the cool weather and are now holding their own in substance and color with the outdoor product. Blue centaurea is now to be had in quantity everywhere, instead of in spots as in the past few weeks. Mignonette about done. Yellow chrysanthemums and red dahlias are abnormal and temporary features of the market.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The Rose and Peony Show was held on June 1st. As far as the roses were concerned this was undoubtedly the best show of outdoor roses seen here in years and good authorities think the peonies were also better than usual. In the hybrid perpetuals the honors went to Wm. Robertson. His vase of Captain Hayward was the gem of his collection and he was also well ahead in the tea section. The best collection of hybrid teas was staged by Samuel Batchelor.

A noticeable feature of all the hybrid tea exhibits was the prominence of Killarney. Another very fine variety that showed up well was Mrs. Jardine, exhibited by Wm. Robertson, who also sent in a fine vase of the new variety Dean Hole, which is evidently a very good outdoor rose with a fine pink long pointed bud. Walter Scott, gardener for W. W. Frazier, a new exhibitor, was in the winning list with a fine lot of hybrid teas.

The competition was very keen in all the peony classes, and the quality and variety much better than has been seen here for many years. In the class for the best collection there were four exhibitors, John McCleary taking premier honors. Thomas A. Archfield, gardener for Clement A. Griscom, was also a successful prize winner. The best vase of pink peonies in the show was from Richard

Williams, gardener to E. B. Morris, Ardmore.

In the class for hardy perennials best display not less than twelve species, Herman Van Gloeden of Newbold's got first with a magnificent display of 60 or 70 vases of rare and beautiful varieties.

ST. LOUIS NOTES.

Florists' Club.

The St. Louis Florist Club will on Thursday afternoon, June 9th, at 2 o'clock, celebrate their twenty-third anniversary with a smoker in their meeting room in Odd Fellows' Building. Secretary Beneke says the club has met each month for the past 23 years and the meetings are much better attended now than ever before.

Retail Florists' Association.

The Retail Florists' Association will hold a meeting on Monday, June 6th, in the K. of C. Hall, Grand and Olive streets, at 8 p. m. F. C. Weber, Jr., has notified each member to be present as matters of great importance will come before it. C. C. Sanders is president of the Association.

Park Notes.

Park Commissioner Phil. Scanlan has arranged for 140 band concerts in all the public parks this summer. A fund of \$15,000 has been established for this purpose. Acting Superintendent Ernest S. Thrall has all the park planting completed and they never looked any better than they do this season.

The Ladies' Circle.

The Ladies' Florists Home Circle will hold its meeting this month at Chautauqua, Ill. Miss Meinhardt, Secretary, has sent out notices that the ladies are to meet at the Union Station at the gate of the C. P. & St. L., 5 p. m., Wednesday, June 18th. They will spend the night at Chautauqua and hold their meeting the next day, returning home in the evening. Mrs. John Steidle is president.

Shaw's Garden.

The first Sunday opening at Shaw's Garden for this year will take place on Sunday, June 5th. There are only two Sunday openings in the year—June and September. Supt. H. C. Irish says everything will be ready to receive the visitors. Should the weather be fine a record-breaking attendance is looked for.

Building Operations.

Robert Thompson, the local greenhouse builder, has his hands full building new greenhouses for the Kirkwood florists. J. Cahill will furnish the boilers and piping for same.

Personal.

Visitors in town recently were: A. Reising of L. Baumann Co., Chicago; W. C. Johnson of E. H. Hunt Co., Chicago; E. W. Guy, Belleville, Ill.

A CORRECTION.

In our last issue, through a typographical error, the capital stock of the Alvin Japanese Nursery Co., Houston, Texas, recently incorporated, was given as \$225,000. This should have been \$22,500. This concern plant 300 acres of land and employ from 40 to 50 hands and a general line of nursery stock is grown.

A letter received by Prof. C. S. Sargent at the Arnold Arboretum announces the arrival of E. H. Wilson at Ichang, China.

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THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED

Experienced man to grow small Ferns, on large commercial place near Boston. Wages \$12.00 to \$15.00 per week. Address, stating experience, nationality, etc., H. T., care of HORTICULTURE, 11 Hamilton Place, Boston, Mass.

WANTED—An experienced decorator and maker up of designs and sprays. Must be strictly sober and polite to customers. A permanent situation for one who can fill the place and is well recommended. Please state wages expected. Address, A. B. C., care of HORTICULTURE OFFICE, 11 Hamilton Place.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

WANTED—At once, a young man for general greenhouse work; must be a good willing worker; state wages expected. P. M. Olm, Bath, Maine.

WANTED—An assistant foreman in rose and carnation houses. \$70.00 per month. Y. Y., care HORTICULTURE.

EXPERIENCED man in retail flower store. Must be designer and good all around man. F. Williams, 35 East Randolph St., Chicago, Ill.

SITUATIONS WANTED

WANTED—Position as a gardener and general superintendent on estate. Seven years in last position. Highest references. W. B. Jackson, care HORTICULTURE, 11 Hamilton Place, Boston.

WORKING FOREMAN wants position in charge. Has long experience in growing plants and flowers for Boston market. First class references from present employers. Address J. S., care HORTICULTURE.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR RENT

FOR RENT—27,000 ft. of glass in good condition and eight acres of land near Pittsburgh, Pa. Write at once if you mean business. Address C. K., care HORTICULTURE, Boston, Mass.

GREENHOUSES BUILDING OR CON-TEMPLATED.

Ocean Springs, Ala.—F. B. Feasell, range of houses.

East Burke, Vt.—E. A. Darling, range of houses.

Oregon, Ill.—Oregon Greenhouses, one additional house.

Berkeley, Cal.—J. A. Carbone, two 110 foot orchid houses.

San Mateo, Cal.—MacRorie-McLaren Co., range of houses.

Attleboro, Mass.—W. H. Oldenburg, Maple street, addition.

Red Oak, Ia.—Red Oak Greenhouses, rose house 40 x 66 feet.

St. Laurent, Montreal, Can.—Camille Gratton, rose house, 20 x 100 feet.

Cote St. Paul, Montreal, Can.—E. Hayward, two general purpose houses, 20 x 80 feet.

Greenwich, Conn.—R. A. C. Smith, Field Point Park, range of houses, one a palm house.

Sedalia, Mo.—Chas. Gelven, four houses 14 x 75 feet, also building 16 x 75 to include boiler and packing rooms and office. Expects to add five houses, each 14 x 75 feet, next fall or spring.

The Aphine Manufacturing Company have received the following interesting letter on the results attending the trials of the new insecticide at the Massachusetts Agricultural College, Division of Horticulture, Amherst:

Gentlemen:—It may interest you to know the results of the tests I have made of the samples of Aphine you furnished me about April 27th. I am satisfied that it will kill the insects that you claim it will and I believe it to be a valuable addition to the insecticides for greenhouse work. But the results: Used as a dip at the rate of 1 oz. Aphine to 13½ oz. water, it killed brown, white scale and the Belgium long scale in every test and mealy bug in every test but one, and in that test a few of the older insects showed faint traces of life about five hours after dipping. Used as a spray, it killed brown, white and the Belgium long scale. About one hour after spraying, I syringed the plants thoroughly and the scales were easily removed and dead. Used as a dip at the rate of 1 oz. Aphine to 22½ oz. water, it kills red spider and thrips. As a spray, very successful for spider, but difficult to reach thrip, but where it strikes it will kill. I had a very limited amount of thrip, so my tests were not as thorough as I could wish.

I suppose it is needless for me to tell you it kills black, green and white fly at the rate of 1 oz. Aphine to 37½ oz. water, used as a dip and as a spray it is equally successful if care is used in spraying.

In short, I can honestly recommend Aphine to kill green fly, black fly, white fly, brown scale, white scale, Belgium scale, red spider, thrip and mealy bug, if the directions are followed carefully and the spraying or dipping done thoroughly and as far as I can tell does not injure the tenderest foliage.

Yours truly,

(Signed) JAMES WHITING,
Foreman Dept. of Floriculture.

CHICAGO NOTES.

Trade and Personal Items.

Otto Freeze has resigned his position with the Poehlmann Bros. Co.

Charles Zapfe of the Budlong force is back again fairly recovered from an operation for appendicitis.

Mangel reports that magnolia wreaths were especially in demand for Memorial Day purposes.

Among the new things at Hunt's are automobile vases, and they are very attractive and sell readily.

Kennicott Bros. report their sales for the week to have exceeded those of last December, including all of the holiday sales.

A. F. Longren and bride have returned from their wedding trip. Mr. Longren is traveling salesman for the E. H. Hunt supply house.

The tin cemetery vases, the patent for which was bought by W. F. Kastling of Buffalo, are selling well here, being more nearly indestructible than the glass ones.

Michael Fink of Kennicott's while dozing on an "L" car Sunday night awoke to find a man relieving him of his watch and money. Mike seized his valuables and with the help of the guard threw the fellow down the elevated stairs.

Mr. Peiser of Kennicott's says that if growers had only brought into the market on Sunday the carnations they held over until Monday they would have received \$50 per 1000 for the stock that sold on the latter day for a small fraction of that sum.

Strail & Hahn, the newest florist firm in the downtown retail district, are rapidly getting settled in their new store, 27 Jackson Boul. A good business for Decoration Day was an auspicious beginning. A new Blitz ice box will be installed Sunday.

Among the notable June weddings will be the Rycroft-Byfort, at the South Shore Club, Wednesday. Friedman will decorate with Killarneys and asparagus, using the usual canopy effect. Over sixty tables will be set and Killarney will be used for the whole scheme.

As we predicted, the freezing of the early blooming shrubbery and the cold backward spring has caused an unusual demand for bedding stock and there was not enough to go round. Many large growers were looking for opportunities to buy stock two weeks before Decoration Day.

Something different will be used in the decorations of the dining room at the Blackstone Hotel. Boxes of large size, some twelve feet in length, are filled with English ivy and geraniums and will be placed around the room eight feet from the floor. They will get no natural light. It was no easy task to handle these boxes, which were filled at the greenhouses of F. Oechslein, six miles away.

Daisy Brooks, 12 years old, is probably the youngest member of the trade in Chicago. She is the daughter of J. P. Brooks of Morton Grove, and when her father was asked to supply plants and flowers to one of the cemeteries he said he was unable to take on the additional work. Miss Daisy promptly closed the contract on her own responsibility and drives four miles with her stock and sells it to good advantage, too.

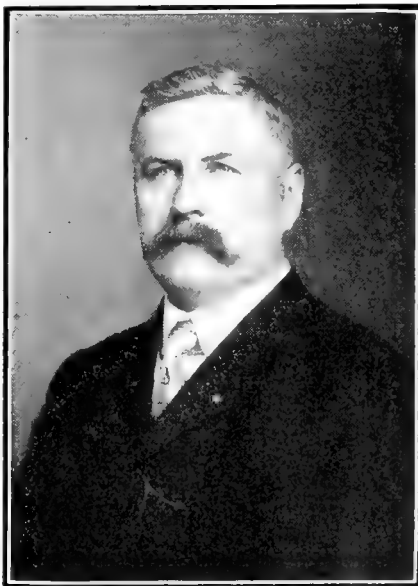
PHILADELPHIA NOTES.

George D. Clark of Dreer's leaves June 1st on a crop inspection tour in western territories and will extend his journey as far as the Pacific coast. He expects to return in about a month.

M. Rice and Mrs. Rice arrived home on the S. S. "President Grant," June 1st, and were met at the wharf in New York by a good sized delegation of friends and relatives. Among the Philadelphians were B. Eschner and Eugene Weiss.

Leo Niessen is justly proud of a fine lot of *Cattleya gigas* he is now receiving. A visitor to the great orchid show in Boston last week stated that he had seen no finer blooms on exhibition. A limited supply of yellow chrysanthemums are to be seen here and are expected to last for the next few weeks. First time they have ever had them at this season. The variety is Golden Glow.

David Rust, in addition to his duties as secretary of the P. H. S. and the Florists' Club will, dating from June 1st, act as Philadelphia representative



DAVID RUST.

of the David Landreth Seed Co., Bristol, Pa. Mr. Rust has had long training in the horticultural world, both as a gardener in England and the United States, and as a commercial man with Dreer. We wish him all prosperity in this new connection and bespeak the courtesy and favorable consideration of all our readers.

During June, July and August M. Rice & Co. will close their establishment at 5 p. m., and on Saturdays at 1 p. m. This firm believes in doing as it would be done by and thinks that humane treatment of employes really pays in the long run. They are thoroughly in touch with the modern humane sentiment of shorter hours which has become a marked feature of American civilization.

Joseph Heacock, Robert Craig, Alphonse Pericat, Parker Thayer Barnes, Thomas Long, Theodore Shober, and many others of our local people have arrived home from the Boston Orchid Show and all are loud in their praise of the magnificent exhibition. They are glad they went to this epoch-mak-

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ing event and D. V. will be at the next one scheduled for three years hence. But they all sincerely hope the date will be either before or after Memorial week.

David Rust reports that the amateur show of the Main Line residents at the Marion Cricket Club, May 28th, was a great success, and that a permanent Horticultural Society is likely to result from same. A brief account of the show from the pen of Mr. Rust—who was one of the chief chefs in this floral menu—appears in another column, HORTICULTURE'S regular Philadelphia correspondent being in Boston at the Orchid Show on the 28th.

The silver medal for cut roses awarded to the Dreer display at Boston was well deserved and a duplicate of the same exhibit is attracting much attention this week in their Chestnut Street windows—as is also a fine collection of the higher class peonies which are now becoming so popular. Crowds are to be seen, pencil in hand, all day long taking notes of the finer sorts and a good harvest of orders is bound to result later on. This is an exhibit which is really as educational to the general public as the average flower show—the more so as all the varieties are correctly labeled and the labels correctly spelled.

Visitors: T. W. Duggan, son and foreman; Brampton, Ontario; E. G. Hill, en route for Europe via Riverton.

NEWS NOTES.

A. Y. Scofield has started in business on his own account at Akin, a suburb of Amsterdam, N. Y. He was formerly with Frank Hotaling.

Sumner, Wash.—The Sumner Floral Co. is progressing rapidly in the construction of its greenhouses. The manager expects to have the work done by summer.

Rockford, Ill.—The greenhouses in this vicinity were considerably damaged by the recent hail storm. The greatest damage was done to the Buckbee house on 14th avenue. The hail smashed much of the roof and side glass and the house was flooded with water. Falling glass destroyed some of the stock. In the house of C. H. Woolsey about 150 lights of glass were broken, but the damage is not considered serious. N. S. Sade-water lost about 250 lights of glass which in falling did much damage to his stock. J. W. Ingalls lost about 100 lights of glass. S. Shearer and E. H. Johanson lost some glass; no damage was done to the Soper greenhouses.

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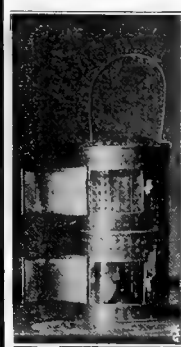
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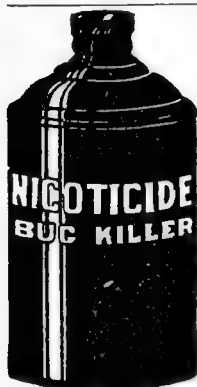
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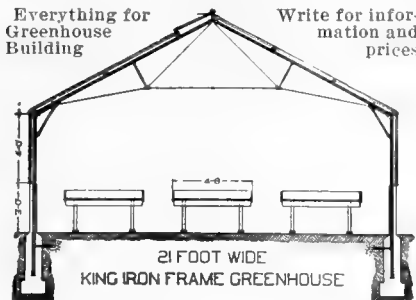
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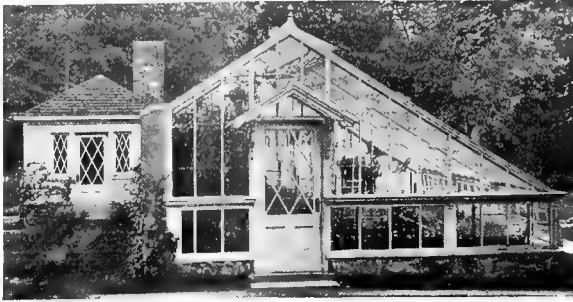
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Vol. XI. JUNE 11, 1910 No. 24



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Catalogue and Price List.**

JULIUS ROEHRS CO.
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Rhododendrons at Holm Lea

Holm Lea! The name alone is full of poetry. And when last Sunday afternoon I walked through the shady lanes of Brookline with Holm Lea as my object I thought of how often there is lack of harmony between the name and the place. But Holm Lea holds what it promises and more.

Professor Charles S. Sargent's beautiful estate was graciously thrown open to the public for two days, and having heard so much about its attractions I used this opportunity to visit it.

This fine estate is a revelation to the foreigner and to the plant lover. The Rhododendrons were in their prime and with their masses of flowers offered a sight worth crossing the ocean to see. They are framed in exquisite surroundings of velvety lawns and shady trees.

Of all the many charms of these lovely grounds the trees undoubtedly take the first place. One finds here the most perfect specimens of the noblest kinds and it was a rare pleasure indeed to admire them in this season, when the foliage has still its spring-like freshness and so many floral effects all around serve to enhance the individual beauty of each tree.

The view from the slope across the pond is one of great beauty, harmony and taste, and it was difficult to tear one's self away from this fairyland and return to the city's masses of stone and brick.

Holm Lea leaves an impression of natural beauty, trained and increased by the influence of refined taste.

Ture Mellstrom

Trans-Atlantic Notes

THE WITHERING OF LILACS

It is an unusual happening that some varieties of lilac used in the decoration of apartments flag or fall when brought out of the plant forcing house and afforded a brief period of time in another—a cooler house—say one of 45 degrees Fah. Well rooted plants in the best condition are liable to this malady, and that in spite of light overhead spraying. One way of avoiding the fading is to remove, as much as possible, the leaves from the flowering shoots and from the non-flowering ones without making the plant bare. With this kind of treatment the plants remain in good, presentable condition for a fortnight and longer; but they must be afforded plenty of water at the root.

HYDRANGEA HORTENSE

There were exhibited at the meeting of the Royal Horticultural Society on the 3rd inst. by Messrs. J. Veitch & Sons, two varieties of Hydrangea Hortense, one being raised by M. Lemoine, and the other by M. E. Mouillere. The name of the first variety is Ornement and it was put into commerce in 1908. It is a showy flower, forming a large truss of a bluish tint, the sterile blooms toothed at the edges, a feature due probably to the influence of an old garden variety, H. stellata, one of the parents. M. E. Mouillere's variety has the name of Mme. E. Mouillere, and is nearly white, having a small pink centre. The petals are serrated, but to a smaller degree than those of Ornement. These novelties received an award of merit at the R. H. S. meeting.

Fredrick Moore

GOOD NEWS

Beginning with our next issue Mr. Alfred Rehder will resume his valuable contributions to our columns and all who are interested in hardy outdoor material may now look forward to the pleasure of reading up-to-date news of new and useful trees and shrubs as tested at the Arnold Arboretum and elsewhere. Mr. Rehder is a recognized authority on these subjects.

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one should cherish doubts regarding this proposition proceeds to instance, as proof, the discovery by the park superintendent at Long Beach of the secret of inducing roses to wear colors to order and the assertion by that gentleman that he "can produce a patriotic rose, colored red, white and blue." We hope our horticultural friends across the Atlantic who would come under the classification of "any other country in the world" will not feel hurt or regard this timid reminder of California's supremacy in the realm of floriculture as evidence of an inclination to boast. Indeed, it is all due to Georgia's vainglory over the recent exploit of one of her sons in discovering the long-sought black rose. We didn't think California would stand it long. There is a limit to human endurance and we realized when Georgia's defy came out that our friends in California would be compelled to notice it, much as they would prefer to "do good by stealth and blush to find it fame."

Culture and horticulture

Baltimore is learning some things and from her experience the people of other communities besides Baltimore might acquire some timely wisdom. Baltimore is not the only city where park boards are appointed "not on account of anything they know about parks, trees, landscape gardening, the floral kingdom or anything of that nature, but just because they are good prominent citizens." Boston has had a rude awakening very recently, not only to the unwisdom of placing her public parks under the absolute control of highly respected but horticulturally ignorant citizens, but also to the difficulty of overcoming the very evident disinclination of the officials having the appointing power, to replace gentlemen of this class with those who have the needed knowledge but who lack in certain qualifications which politicians set a high value on. To find among the leisure classes here, as is the case abroad, men who are well versed in horticulture—such men, for instance, as the late H. H. Hunnewell—is not always easy. As we have repeatedly urged in these columns, we think there should be on every park board at least one member practically experienced in the work of constructing and planting. To bring this about will require some time and hard work, but it is a duty the craft owes to itself as well as to the public.

Back to outdoor life

The horticultural industries generally will respond with a hearty Amen to the sentiments expressed by Chancellor Day in his remarks before the graduating class at Syracuse, N. Y., last Sunday, calling attention to the enormous amount of money absorbed by the automobile infatuation, which is held responsible for the withdrawal of many millions of dollars from the productive capital of the country, the mortgaging of homes and many other disturbing things which invariably follow in the train of a luxury over-indulged in. Mr. E. H. Gary, chairman of the executive board of the U. S. Steel Corporation in an interview this week is reported as having said that "we are now in the centre of one of the greatest harvests of prosperity the country has ever witnessed." We think those engaged in the horticultural industries will be disposed to question Mr. Gary's assertion. The halt in the growth of many branches of this business has been evident to every observer and a valid explanation for this otherwise unaccountable fact is possibly suggested in Chancellor Day's "broad and apparent" illustration. "Back to out-door life" is a motto which we have had reason to believe would make for the direct benefit of the plant and planting interests and allied industries. Unfortunately the realization seems to have taken an unforeseen course.

Defending
the championship

The Los Angeles Herald coyly admits that "more progress has been made in floriculture in California than in any other State in the Union or any other country in the world" and lest some

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Asparagus plumosus.

This is the proper time to think about planting this highly appreciated decorative green. They will need considerable more head room than smilax, also more depth of soil, and this should be heavily enriched as they are very greedy feeders. Mix in equal parts a rather heavy loam and some old cow manure which is well decomposed. A depth of at least 9 to 12 inches of this compost is none too much for plumosus. The plants can be set from 10 to 12 inches apart in the rows, and about 15 to 18 inches between the rows. In replanting any old beds the soil should be renewed to the depth of about 6 inches, and the lower layer deeply dug before the new compost is placed on top. Stock out of 4-inch pots, if sturdy and thrifty, is the right sort to use. Beds thus planted should yield good returns for at least four to six years. As soon as the new growth assumes the character of a climber, silklike strings can be supplied. Keep the surface of the soil loose and free of weeds. To old and well established beds a mulch of some well enriched compost and occasionally a dose of liquid manure will be of great benefit. Syringe every day in order to keep the foliage fresh and bright.

Chrysanthemums for Cut Bloom.

The first two weeks in June is considered the best time to plant out for cut bloom. There is a wide difference of opinion as to the best method of growing for cutting. Some prefer and others condemn solid beds. The majority seem to favor the raised bench, and yet there are some that uphold the pot or box system. The finest of blooms have been produced by each of the above methods. I think that more depends upon careful handling of the plants and the soil than upon the question of solid beds or benches. I choose the raised bench because it gives the plants better drainage and allows the use of more liquid manure at the proper time in order to finish up the bloom and, besides, there is less tendency to produce a heavy growth of foliage at the expense of the bloom on a bench than with solid beds. Soil with lots of fibre in it in proportion of one part good manure to three parts of the soil will produce good chrysanthemums. If growing to one flower they can be planted from six to eight inches apart, if two to four blooms to a plant, then 10 to 12 inches would be about right. The distance apart will have to be governed by the quality of the blooms wanted. Stir the surface of the soil regularly, and fumigate once a week if weather permits, and on all bright days syringe freely twice a day.

Begonias.

Flowering begonias can be rooted now with ease and will grow into most desirable size for various kinds of make-up holiday work. Those that were propagated in the spring and which are now in 4-inch pots should be plunged in a frame where a light shade can be used in the brightest part of the day. The greatest care

should be exercised in watering, as they are very susceptible to over-watering. It will pay to look them over three or four times daily during bright, hot weather. To grow the best plants a hose should never be allowed in watering them. Rex begonias, to be at their best, should be grown in pans, any good rich loam with a third of leaf mold and an addition of some sand suiting them. The latter like a more humid atmosphere than most begonias. Guard against any sudden changes in temperature and draught so as not to induce rust.

Dracaenas.

These extremely useful decorative plants such as *Dracaena fragrans*, *terminalis*, *Massangeana*, and *Lindeni*, are in reasonably good demand. Young plants that were rooted and potted up early in the spring should be shifted as required, using coarser soil as the pots become larger. *Dracaenas* like a good loam with some leaf mold—about a fourth—and a little old cow manure. They require but a moderate amount of pot room, in comparison to the size of the plant. Plenty of heat and moisture are requisites so as to encourage a vigorous growth. *Dracaena indivisa* can be raised after they are a year old into good-sized stock by open field culture, planting in rows just far enough apart to permit good cultivation. In the fall they can be lifted and potted into 4-inch or 5-inch pots, and by next spring they will be good stock for vases or veranda boxes.

Hydrangeas.

The young stock that was propagated last winter or spring should now be planted out, and with a judicious pinching they will develop into a compactly formed and shapely lot of plants. By the middle of July all stopping should be discontinued for the season. When resorting to pot culture altogether, repot as they may require it, using some good soil and cow manure, and assign them to a sunny place in the open, giving water in plentiful measure. Plunge the pots to the rims so as to keep the roots cool and by fall you will have nice plants with an abundance of good wood that will give fine bloom next season. They should be kept out as long as the weather will allow so as to ripen their wood, after which they can be put in a cold frame.

Solanum Capsicastrum.

This plant is one of the best decorative berried plant that we have. The old plants that were cut back in May and repotted into new soil will set an abundance of fruit in an ordinary soil. Don't use very rich compost, as then the foliage will be luxuriant but the berries few. The pots can be sunk into some frame outside, which will be a good place for any potted solanums. Young plants can be treated in the same way. They will want great quantities of water during the summer. When the pots get filled with roots an occasional feeding with liquid manure will be of good value to them. This plant is certainly easy to grow, and where a little special pains are taken you will be rewarded by having a fine lot of holiday stock which will find rapid sales.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on the following: *Callas*, *Fuchsias*, *Lycastes*, *Palms*, *Perennial Candytuft*, *Sowing Fern Spores*.

LILIUM KRAMERI.

The lily shown in the accompanying illustration is one of the prettiest and most desirable of the Japanese species. It is perfectly hardy and blooms in July and August. The flower is pale to deep pink, the color varying accord-



ing to stock and exposure to sun. It is very fragrant and the perianth is 6 to 7 inches long. This is a lily that deserves a place in every garden, but it is not over-plentiful. We are indebted to R. M. Ward & Co. for the photograph.

E. O. ORPET GOES WEST.

E. O. Orpet, the well-known orchid expert and writer on horticultural topics, will close his term as gardener in charge of the Thayer estate and conservatories at South Lancaster, Mass., on July 1, 1910, thus completing to a day twenty years of work, he having come to South Lancaster on July 1, 1890.

Mr. Orpet will at once assume the superintendency of the estate of Cyrus H. McCormick at Lake Forest, Ill., and that growing community of expert exponents of the gardeners' art will be enriched by the addition to their number of one who is the peer of any gardener in this country in his chosen sphere. The McCormick estate is to be developed along natural lines under the direction of Warren H. Manning, the landscape artist. Mr. Orpet's successor on the Thayer estate is John Booth, recently of Newport, R. I.

Many friends and acquaintances of Mr. Orpet in the New England territory will regret the loss locally sustained in the departure of so skillful a representative of their craft, but will wish him the fullest measure of success and honor in his new home.

Fitchburg, Mass.—The property occupied by W. H. Ritter on Vine street has been sold and Mr. Ritter will make a change in December. He plans to erect two or three large growing houses in West Fitchburg on land off Westminster Hill Road which he purchased some time ago. A small greenhouse on Woods Hill will also be erected. The store he now maintains at 70 Main street will be continued.

AMERICAN ASSOCIATION OF NURSERYMEN.

The thirty-fifth annual convention of this influential organization was opened at Denver, Colo., on Wednesday, June 8, with an attendance of about one hundred and fifty members, among whom the eastern section of the country was well represented, the majority having come on a special train. After the opening exercises, reports of officers, committees on transportation legislation, publicity, forestry, etc., were read and accepted or assigned for consideration later. The reports of secretary and treasurer were as follows:

Financial report of John Hall, secretary, Rochester, N. Y.:

Receipts.

Nov. 11, 1909—Balance from Geo. C. Seager.....	\$26.75
Memberships for 1910.....	1,695.00
Advt. in Badge Book.....	596.60
Extra Badges and Books.....	17.50
Exchange on checks.....	3.95
Sales of Codes.....	.50
	\$2,340.30

Disbursements.

June 1, 1910—C. L. Yates, treas...\$2,340.30

There will be other receipts for memberships and advertisements as soon as all are collected.

Treasurer's Report.

The treasurer, C. L. Yates, submitted his annual report from June 10, 1909, to June 4, 1910, as follows:

Receipts.

1909.			
June 10.	To cash on hand.....		\$3,853.79
30.	Interest, bank account.....	\$32.62	
July 2.	Geo. C. Seager.....	290.00	
Dec. 31.	Interest, bank account.....	53.37	
1910.			
Jan. 18.	B. E. Fields.....	25.55	
Mar. 3.	W. C. Reed.....	10.00	
May 25.	John Hall, secretary.....	36.00	
June 1.	John Hall, secretary.....	2,340.30	
			2,787.84

Disbursements.

1909.			
June 12.	American Printing Co.—Exhibit Comm.....	\$7.75	
	McGuire & Wood, Montana Laws.....	25.00	
	Abner Hoopes, Tariff Comm. to Washington, D. C.....	42.50	
	Irving Rouse, Tariff Comm. to Washington, D. C.....	31.80	
	Geo. C. Seager, salary, stamps, etc.....	515.37	
	Bastian Bros. Co., badges.....	25.56	
	Union & Advertiser Co., badge book.....	342.00	
	Union & Advertiser Co., Letter heads, etc.....	75.54	
	W. H. Moon, Tariff Comm. to Washington, D. C.....	31.00	
	C. L. Yates, salary and postage.....	50.60	
19.	L. H. Bailey, exp. to Convention.....	7.56	
July 3.	T. B. Meehan, Exhibit Committee.....	4.68	
	Union & Advertiser Co., folders, etc.....	29.00	
	J. M. Pitkin, Tariff Comm. to Washington, D. C.....	39.40	
	Union & Advertiser Co., return postals.....	14.50	
	Emma Jacobson, reporting Convention.....	88.78	
Aug. 9.	W. P. Stark, exp. Transportation meeting.....	56.80	
Sept. 4.	B. E. Fields, printing 100 S. D. Laws.....	25.55	
23.	Union & Advertiser Co., printing.....	162.91	
Dec. 11.	McGuire & Wood.....	20.00	
1910.			
Jan. 11.	John Hall, Sec., stationery, etc.....	23.24	
12.	M. E. Wolff Co., bond for Treasurer.....	18.75	
20.	Wm. Pitkin and Mr. Rouse to Boston.....	64.70	
Feb. 4.	J. B. Morey.....	12.05	
25.	W. C. Reed, Committee Washington.....	119.40	
25.	Mr. Sizemore, exp. San Antonio.....	97.00	
May 17.	W. P. Stark, exp. Inspection bill, Washington, D. C.....	120.13	
17.	Wm. Pitkin, exp. Inspection bill, Washington, D. C.....	97.00	
	J. H. Dayton, exp. Inspection bill, Washington, D. C.....	61.75	
19.	John Hall, Sec., stamps, envelopes, etc.....	65.48	
	Union & Advertiser Co., printing.....	36.00	
26.	G. L. Holsinger, Washington, D. C., acc. House Bill.....	103.75	
30.	Wm. Pitkin to G. L. Johnson, telegrams, etc.....	30.58	
	Abner Hoopes exp. Washington, D. C., acc. House Bill.....	39.00	
June 1.	Cash to balance.....		2,488.03
			4,153.60

F. H. STANNARD

President American Association of Nurserymen.

Papers were read as follows:

"The Part Nurserymen Have Taken In the Development of the Nation," J. B. Morey, New York.

"Co-operation Between Nurserymen and Fruit Growers," W. L. Howard, Missouri.

"Commercial Side of the Nursery Business," H. W. Marshall, Nebraska. "Effect of Tree Planting in the Middle West," George H. Whiting, South Dakota.

"Resultant Evils of the Replace Policy," J. W. Mayhew, Texas.

"Magnifying Our Craft," E. W. Kirkpatrick, Texas.

"The Influence of California's Horticultural Development on the Nursery Business," George C. Roeding, California.

The outlook is for a grand convention socially and in a business way. Fuller reports will appear in our issue of next week.

We cannot refrain from saying a few words of strongest praise of the enterprise and good taste displayed in the beautiful souvenir Program and Album distributed by The National Nurseryman with the compliments of that journal to the members of the Association. An illustrated contribution on "Denver, the Convention City," by A. W. Sowers, and a statistical paper on "Horticulture in The West," by John S. Gallagher, will prove interesting reading to those concerned in the development westward of the



FLORISTS' CLUB OF PHILADELPHIA.

Alphonse Pericat gave an excellent talk before the above club at its monthly meeting held on the 6th inst. His subject was "The Orchid as a Commercial Proposition," which he handled in excellent style. The discussion which followed was animated, interesting and instructive. Nearly all the speakers had something to say about the great orchid show in Boston and it was generally agreed that the orchid had a great future commercially. Adolph Farenwald made one of his characteristic off-hand addresses, full of wit and wisdom, and other things. He said as a windup to his oration that the loveliest orchid in the show to him was a vase of white Killarney rose. Harry Gould, manager of the orchid department at Heacock's, made a good speech, comparing the exhibits professionally and as to culture, etc., with what he had seen abroad. A collection of eight varieties of well grown cattleyas was staged by Al-

**F. A. WEBER**

Chairman, Entertainment Committee, American Association of Nurserymen.

phonse Pericat. Nephrolepis Milleri from Bar Harbor was also on exhibition.

This being orchid night very little else was talked about. Convention matters were discussed slightly, and a commencement was made in committee appointments in that direction. John Westcott is head of the committee to look up transportation matters. Comment was made on the absence of the S. A. F. name on the trunk line rate list to date. Considered serious—like last year.

TARRYTOWN HORTICULTURAL SOCIETY.

The annual June exhibition of roses, strawberries and hardy flowers will be held at Young's Lyceum, Tarrytown, N. Y., on Tuesday, June 14th, 1910, from 3 until 10 p. m. Admission free. There are 26 classes in the schedule, the prizes for which are all specially donated by members and friends of the Society. Copies of the prize list may be had on application to E. W. Neubrand, secretary. George Wittlinger is manager of the exhibition.

**JOHN HALL**

Secretary, American Association of Nurserymen.

YONKERS HORTICULTURAL SOCIETY.

At the regular meeting of the Society which was held on June 3rd, the president appointed as judges of the peony exhibits, L. Whitman, J. Goff and Knapper, who awarded first to R. Cochrane; second, J. Campbell; third, W. Halbach. W. H. Waite had some very fine musk melons on exhibit and was awarded a cultural certificate.

There was a discussion on growing peonies and H. Nichols read a very able paper on calceolarias.

The Executive committee reported on the June show and said all arrangements were now made to hold it on June 17 afternoon and evening in Hollywood Inn Hall.

Louis Melilot has been appointed show manager and will make a good one. The secretary of the committee is W. H. Waite, superintendent of the Greystone Gardens and anyone wishing schedules or entry blanks can get them by applying to him.

LEE WHITMAN, Cor. Sec.

**C. L. YATES**

Treasurer, American Association of Nurserymen.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

The next annual meeting of this Association will be held in Harrisburg, Pa., August 9, 10, 11, 1910. The provisional program is:

Tuesday, August 9th.

8.30 A. M. Meeting of Executive Committee.

9.30 to 12.30. Annual business meeting, followed by the reading of papers.

2 P. M. Visit to the State Capitol.

4 P. M. Inspection of River Front Parks, Island Playgrounds, Park Nursery and City Filtration Plant.

7 P. M. Sunset on the river.

8 P. M. Papers and discussions.

Wednesday, August 10th.

8.30 A. M. Tour of parks. Mulberry Street Viaduct, Twelfth Street Playgrounds, Wildwood Park and Lake, Rockville Bridge, The River Drive, Pumping Station, Front Street Parks, Cameron Parkway, State Street and Reservoir Park.

1 P. M. Lunch in Reservoir Park.

**E. P. BERNARDIN**

Chairman of Exhibits Committee, American Association of Nurserymen.

2.30 to 5 P. M. Business meeting.

7.15 P. M. Take train for Gettysburg.

Thursday, August 11th.

Tour of the Gettysburg Battlefield with competent guides.

F. L. MULFORD, Sec.-Treas.

NATIONAL FLOWER SHOW.

Today, Thursday, June 9, the committee on National Flower Show is in session at Horticultural Hall, Boston, President F. R. Pierson in the chair. The local members together with President Pierson and Manager Campbell have been busy getting ready to report on the principal preliminary details, and after the doings of the local members have been duly validated by the full committee active preparations for the big event will begin at once. The date for the show will be the week beginning March 27, 1911. It has not yet been decided whether the exhibition will open Monday or on the previous Saturday evening, March 25.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Registration of Rose.

Public notice is hereby given that A. N. Pierson, Inc., of Cromwell, Connecticut, offers for registration the Rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.

A sport of Killarney, originating with A. N. Pierson, Inc., in 1908. It is identical with Killarney except in color, which is much brighter, showing a strong tendency to red, some blooms having been as dark as Richmond, the average the entire year a shade lighter than Richmond.

Name, "Red Killarney."

H. B. DORNER, Secretary.

June 2, 1910.

THE ROCHESTER CONVENTION.

We have received from Superintendent Charles H. Vick of the big trade exhibit to be held in connection with the S. A. F. Convention, at Rochester, N. Y., next August, a diagram of the floor space and assignments up to date. It appears from the diagram that fully sixty to seventy per cent of the available space in the great convention hall has already been reserved and there are many large growers, manufacturers and dealers who have been accustomed to exhibit at these annual trade displays who have not yet been heard from. We would earnestly advise all parties contemplating making an exhibit to apply at once for the necessary space, stating number of square feet required. First comers will, of course, get the choicest locations, so promptness in applying will pay and it also will greatly help the hard working committees at Rochester and facilitate the work of preparing to make this the greatest convention and exhibition in the history of the National Society. Any who have not received a copy of the diagram can procure one by applying to Charles H. Vick, Supt., Rochester, N. Y.

The Souvenir Album on which the local committee is working will certainly be a work of art. They expect to have it out about the first of July. It will contain one hundred pages, with many original views of the streets, parks, private gardens, residences and public buildings of Rochester, river and lake, etc., also several interesting articles as follows:

"Rochester Florists," Geo. B. Hart.

"Rochester from the Nurseryman's Viewpoint," William C. Barry.

"The Seed Industry," Charles W. Crosman.

"Rochester Florists' Association," Fred W. Vick.

"Rochester," Sec'y Chamber of Commerce.

Every member of the S. A. F. will receive a copy. It will be so attractive and interesting it will be retained for a long time as a memento, and for this reason will be well worth the cost of advertising space. Send in copy for advertisements at once to Chas. H. Vick.

ELBERON HORTICULTURAL SOCIETY.

This Society held a monthly meeting on June 6th, at which it was decided to hold a Rose and Strawberry Show on the evening of the 16th of June, in the Elberon Fire Engine Hall, where we hope to have a nice collection of roses. The awards in the point competition were as follows: E. Duncan, lettuce, 80; A. Bauer, roses, 78; A. Bauer was awarded a preliminary certificate of merit for a new hybrid peunia, which is a fine, dark blue color.

ALEX. FLEMING, Rec. Sec.

ISAAC S. HENDRICKSON.

We present herewith the portrait of the president of the newly organized American Gladiolus Society. Mr. Hendrickson, as will be seen, is a young man, having been born at Floral Park, N. Y., Sept. 6, 1875. He first went to work for John Lewis Childs in 1887 and finally worked up to the position of manager of the wholesale department of the Childs business, which he has now held for about eight years.



ISAAC S. HENDRICKSON

Mr. Hendrickson will make an ideal president for the young Society. He is energetic, popular with the trade, is a director of the Floral Park Bank, and has had exceptional opportunities to acquire valuable knowledge regarding the gladiolus which, as is well-known, has been one of the leading specialties of John Lewis Childs for many years.

AMERICAN PEONY SOCIETY.

Owing to the continued cool weather it has been found necessary to postpone the meeting of the American Peony Society to Tuesday and Wednesday, June 14-15, 1910.

A. H. FEWKES, Sec'y.

Newton Highlands, Mass.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual picnic of this club will be held at Pine Banks Park, Malden, July 27. The club will hold a Ladies' Night with an interesting and varied program on June 21.

W. N. CRAIG, Sec'y.

HORTICULTURAL SOCIETY OF NEW YORK.

A meeting of the Horticultural Society of New York was held at the Museum building, New York Botanical Garden, on Saturday, June 4th. At this meeting 26 new members were elected, 7 of which were life members, the remainder annual members. This is most encouraging progress, and it is hoped that the increase in membership may be kept up. All that is needed is a large membership to make horticulture an important element in New York. The meeting was followed by a lecture by Dr. N. L. Britton, on "Summer Flowers." The lecture was illustrated with colored lantern slides.

The important feature of the meeting, however, was the summer exhibition given in connection with it. This was open on Saturday afternoon, from 2 to 6, and on Sunday, from 10 to 3. There was a large attendance on both days, in spite of the inclemency of the weather. The exhibitions of the Society are becoming more and more popular and well known, and the feature of holding them on Sunday seems to be fully appreciated by flower lovers. The following list of premiums was awarded.

Peonies.

Three white, 6 flowers of each, Geo. H. Peterson, first; F. R. Pierson Co., second.

Three light pink, 6 flowers of each, Geo. H. Peterson, first; T. A. Havemeyer, gardener, Albert Lahodny, second.

Three rose, 6 flowers of each, Geo. H. Peterson, first; F. R. Pierson Co., second. Three crimson, 6 flowers of each, Geo. H. Peterson.

Collection of singles, 3 flowers of each kind, T. A. Havemeyer.

Largest and finest collection, not less than 6 flowers of each variety, Geo. H. Peterson, first; F. R. Pierson Co., second.

Miscellaneous.

Collection of hardy roses, Mrs. F. A. Constable, gardener, James Stuart, first; F. R. Pierson Co., second.

Collection of hardy flowering shrubs and trees, E. H. Weatherbee, gardener, Francis Milne, first; T. A. Havemeyer, second.

Collection of hardy rhododendrons and azaleas, or either, T. A. Havemeyer, first; F. R. Pierson Co., second.

Collection of hardy herbaceous plants, Bobbirk & Atkins, first; E. H. Weatherbee, second.

Collection of irises, Bobbirk & Atkins, first; T. A. Havemeyer, second.

Six orchid plants in bloom, 6 varieties; Clement Moore, gardener, Jas. F. Dyer.

Collection of cut orchids, Jos. A. Manda.

Special.

Campanulas and sweet peas, Miss Blanche Potter, gardener, George Wittling.

Ismenes, gladioli and miscellaneous flowers, John Lewis Childs, honorable mention.

Collection of vegetables, Mrs. J. B. Trevor, gardener, Howard Nichols.

Cattleya Gaskelliana, var. Helen Roebbing, J. A. Manda, certificate of merit.

CLUB AND SOCIETY NOTES.

The Massachusetts Horticultural Society will undoubtedly decide to make the orchid show a triennial event, and the year 1913 will see a greater display by far than that of the present year, unprecedented as it was.

At the regular meeting of the Chicago Florists' Club, Harry Philpott presided in the absence of Pres. Asmus. The principal business transacted was the arranging for a dinner at the next regular meeting at which guests may be taken by the club members. Tickets one dollar per plate.

The next regular monthly meeting



GARDENERS' AND FLORISTS' CLUB OF BOSTON, GUESTS OF WM. SIM, CLIFTONDALE, MASS.

of the Cincinnati Florist Society will be held in the club rooms at the Jabez Elliott Flower Market, Monday, June 13th, at 8 p. m. Nomination of officers for the ensuing year will take place at this meeting.

On Friday, June 3, A. E. Thatcher, of the Arnold Arboretum read an instructive paper before the North Shore Horticultural Society on "Newer Flowering Shrubs." Mr. Thatcher has a wide knowledge of this subject and his work at the Arnold Arboretum has given him especial facilities for making the acquaintance of the new Chinese trees and shrubs collected by E. H. Wilson. His paper, which we hope to find room for in an early issue of HORTICULTURE, gave particular prominence to these new introductions and the large audience present were deeply interested.

The Grand River Valley Horticultural Society of Grand Rapids, Mich., were entertained at the May meeting by Mr. and Mrs. Edward Lowe at their country place, May 24th. The program was in charge of H. E. Sargent of Kent Scientific Museum. It was announced that a carload of Michigan's finest fruit was to be sent east this summer with the purpose in view of encouraging experienced eastern growers to locate in Michigan. It was asserted that the recent damage to the fruit crop in Michigan was 25 per cent. The June meeting of the society will be held at the fruit farm of H. O. Braman.

"I take pleasure at all times in recommending HORTICULTURE, as it is worth double its price."

J. G.,
New Britain, Conn.

A VISIT TO WM. SIM.

The invitation to visit the greenhouse establishment of William Sim at Cliftondale, Mass., on Saturday afternoon, June 4, was eagerly accepted by the members of the Gardeners' and Florists' Club of Boston, 125 members and friends including a number of ladies taking advantage of the opportunity to visit this noted place and enjoy the hospitality of the proprietor. We have described these houses so often in the past that it will suffice in this instance to say that they have been increased in capacity by the addition of a splendid new house, 43 x 500 and the crops now in them are of the high grade for which Mr. Sim is noted. The sweet peas are still producing heavily and picking has already begun on the tomatoes of which there are no less than 50,000 plants of unprecedented vigor and productiveness.

The company were entertained on the broad piazzas and lawn of Mr. Sim's new residence, completed last fall. After the collation a few words of welcome were spoken by a gentleman representing the Board of Trade of Saugus of which town Cliftondale is a part. Responses were made by M. H. Norton, T. J. Grey, E. Allan Peirce, M. A. Patten, Vice-president Miller and others all duly appreciative of the delightful occasion.

INCORPORATED.

Hamilton, Mont.—Nassau Orchard Co., capital stock \$10,000. Incorporators, J. H. Sapiro, A. J. Higgins and L. M. Brown, all of Hamilton.

Williamsport, Pa.—The Newberry Artificial Ice, Cold Storage and Greenhouse Co., capital stock \$30,000. Incorporators Frank W. Hill, F. M. Hill and others.

GREENHOUSES BUILDING OR CONTEMPLATED.

Bristol, Ind.—H. W. Kantz, one house.

Scranton, Pa.—Ira G. Marvin, one house.

Secaucus, N. J.—Kessler Bros., range of houses.

Allentown, Pa.—John H. Sykes, one house, next season.

Youngstown, Ohio.—Idora Floral & Landscape Co., one house.

Berkeley, Cal.—J. M. Holland, Peralta Park, house 20 x 100 feet.

Philadelphia, Pa.—Huntingdon Reformatory, palm house 42 x 51 feet.

Brampton, Ont., Can.—The Dale Estate, three houses each 850 feet long.

Chicago, Ill.—J. Bombenger, Woodlawn and 64th street, range of houses.

Fond Du Lac, Wis.—A. L. Bush & Co., Oak ave., four houses, 16 x 100 feet.

Manchester, Mass.—Estate of Mrs. James McMillan, palm house 30 x 90 feet.

Wichita, Kans.—Carter Bros., Pearce street and Central avenue, four houses, each 30 x 150 feet.

Detroit, Mich.—John Breitmeyer's Sons, Mack avenue, two houses, each 50 x 150 feet; also office building.

Chicago, Ill.—John Assa, 5350 Bowmanville avenue, two houses 20 x 250 feet. He expects to erect two additional houses when these are completed.

"Kindly discontinue our ad. for the present as our stock is about all sold out."

R. R. DAVIS & CO.,
Morrison, Ill.

NEWS NOTES.

Southington, Conn.—Olson & Lunden, florists, have sold their Buckland street greenhouse to Wm. Fischer.

Secaucus, N. J.—Kessler Bros. of New York have purchased five acres of land upon which they will erect a range of houses.

Saginaw, Mich.—Eleven acres of land on Mackinaw street has been purchased by J. B. Goetz & Sons and will be used in connection with their florist business.

London, Ohio.—A new concrete building constructed expressly for the flower business has been erected on Main street by E. J. Gould & Sons and will be used as a sales room for their products.

Lake City, Minn.—Owing to greatly increased business the Jewell Nursery Co. find it necessary to enlarge and have plans under way for the erection of a building which will about double their present capacity.

Milwaukee, Wis.—The Edelfsen-Leidiger florist corporation now occupy two stores, 347 and 349 Third street and 782 Third street. Wm. Edelfsen is president, R. Semier, vice-president, A. R. Leidiger, secretary and treasurer.

Youngstown, Ohio.—The Idora Floral & Landscape Co. has been organized by Wm. Bakody and Frank Amant to engage in the nursery business. Five acres of land will be utilized at the Idora farm and ground has been broken for a hot house.

Minneapolis, Minn.—Frank Hays, formerly employed by the Will Bros., florists at 19th avenue and 35th street N., is alleged to have entered the greenhouse and destroyed 25,000 carnations. It was charged that he did this because he was discharged and refused his pay before the regular pay day. A warrant was sworn out for his arrest. He pleaded not guilty in the police court, May 20th, and was bound over to the grand jury under \$1,000 bail.

Bloomington, Ill.—Plans for the reorganization of the Lilly Orchard Co. were recently made. This reorganization, it is hoped, will carry forward the work of the orchard until another period of good crops which will enable the stockholders to reimburse their losses caused by the partial failure of fruit crops culminating in the big freeze of this year. This company owns a large tract of fruit land in Tazewell County and a pecan orchard in the South. It has been conducted partly to cultivate the growth of fine fruit in this section and secondly for the profit of the stockholders. The officers are: President, Dr. C. M. Noble; vice-president, Thomas W. Evans; secretary, C. J. Northrup; treasurer and manager, Prof. R. O. Graham. H. W. Funk of Normal and Walter Boswell of Pittsburgh.

The annual trade sale which has come to be recognized as an institution of unusual importance in the plant business of New York City, will take place at Wm. Elliott & Sons' auction rooms on Tuesday, June 21. W. J. Elliott will officiate as usual with hammer and will dispense wit and wisdom with his customary ability.

PERSONAL.

Charles Endriss is now with Hoerber Bros., 51 Wabash avenue, Chicago, Ill.

John Barnard is now with the Bentzen Floral Co., 4029 Marcus avenue, St. Louis, Mo. He was formerly with Grimm & Gorly.

David Welch of Welch Bros., wholesale florists, Boston, is booked to sail for a brief European visit, on the Lusitania, June 29.

J. F. Huss, superintendent of the Goodwin estate at Hartford, Conn., will sail July 7 for a visit to his native country, Switzerland.

Mrs. W. W. Edgar of Waverly, Mass., is at the Waltham Hospital, recovering nicely from an operation for appendicitis which took place on Thursday of last week.

Joseph Samuel Willoughby, of Maryland, and Miss Alice Galvin, daughter of Mr. and Mrs. Thomas F. Galvin, of Boston, were married at the Church of the Assumption, June 4th. The bride carried a shower bouquet of lily of the valley. The bridesmaids carried baskets of Killarney roses. Nearly three hundred guests attended the ceremony at the church and the reception at the home of the bride's parents.

We learn with much regret and sympathy that E. S. Miller, of Wading River, N. Y., met with a very painful accident on Sunday morning while riding his bicycle. The forks broke at the head, throwing him heavily to the ground, and cutting his face and nose badly. Several stitches were taken in each lip and the nose. Besides the cuts he was bruised and generally shaken up, so that he will be confined to the house for some time to come.

CINCINNATI PERSONALS.

Miss Ada H. Kresken left last Thursday for a three months' tour of Europe.

Peter Olinger has purchased the interest of Peter Weiland, of the firm of Weiland & Olinger at New Castle and Cincinnati.

E. R. Bushley, formerly with Fred Gear, 1113 Vine street, Cincinnati, has purchased the Norwood Floral Co. at 4625 Main avenue, Norwood, Ohio.

OBITUARY.

Joseph W. Hulsizer.

Joseph W. Hulsizer of the Hulsizer Co., Des Moines, Ia., died May 23rd at his home, 1609 Center street, aged 60 years. He had been engaged in the manufacture and sale of floral decorations for the past eight years in Des Moines, moving to this city from Grinnell. He leaves a wife and one son.

John Crimmins.

John Crimmins, a gardener employed on the estate of Mrs. C. D. Prescott at Newton, Mass., was burned to death on the night of June 7, when he rushed into the burning stable on the estate to save the four-year-old child of another gardener, whom he supposed was still in the building. His age was 22 years.

PHILADELPHIA NOTES.

Charles Sim sails on the S. S. "California," of the Allan Line for Glasgow, June 11th.

A. E. Brown, of W. Atlee Burpee & Co., will sail on the S. S. "Lapland," of the Red Star Line, for Antwerp, on July 16th. He will spend most of his two months vacation in Switzerland. We trust our friend will not be rash with the Alps. We can't afford to lose him.

William H. McMurray, of 15th and Market streets is contemplating opening a branch store in the neighborhood of 40th and Market street in the fall. This will not only prove a valuable adjunct and outlet for the cut flower business, but also very handy for the large amount of outside gardening done by this concern in West Philadelphia.

European trips are so common now that it is out of the question to keep track of them all. But we must not overlook that of C. J. Rainear, the man who can give the florists pipe that won't go to pieces in twelve months. He is booked for the S. S. Kroonland, June 25th for Antwerp. We wish him the best of good company. He can't help himself this time—Bride, of course. What else did you suppose we wrote such a long paragraph for?

An exhibit of the new crested Scotti fern (*Nephrolepis Milleri*) from the Boston Orchid Show arrived here a day late for the Rose and Peony Show of the P. H. S. They were held over for the club meeting on the 7th inst. and received much favorable attention from the members. We understand the exhibit then went to Riverton for testing purposes. Mr. Miller evidently has a good thing in this and it will be in demand when he gets ready to put it on the market.

Pennock-Meehan Co. had an exhibit this week of two new climbing roses from Hoopes, Bro. & Thomas, of West Chester. Catherine Wright is a light pink cluster rose with individual flowers reaching up to 4 inches diameter. Wichuraiana and Testout are the parents. Climbing American Beauty is a hybrid between Beauty and an unnamed seedling; grows in clusters, with large, individual flowers of a brighter color than Beauty and very fragrant. Both are fine varieties and apparently of great promise. *Nephrolepis Milleri* was also on exhibition here from Bar Harbor, Maine. Mrs. Alphonse Pericat and family of Collingdale leave for Europe shortly on an extended holiday.

We had a pleasant visit the other day from that enthusiastic representative of the U-Bar—Mr. De Forest—who hob-nobbed with such building experts as George Anderson, John Westcott, John Burton, and others, and apparently succeeded in convincing them that the U-Bar was "the only, only!" Mr. De Forest also stated that, thanks to its merits and the good publicity HORTICULTURE gave to same, they had more orders on hand than they could fill. The present writer is a pronounced and habitual unbeliever, but with all his ingenuity was unable to find a flaw in the argument. But if he finds the faintest crack anywhere he will joyfully tell. He hates to get the worst of a discussion.

SPECIAL ANNOUNCEMENT

To the Growers and Retailers of Flowers :

Having succeeded **John I. Raynor** in his very large and old established Wholesale Florist Business at 49 W. 28th St., New York City, after having been his General Manager for the past seventeen years, I wish to assure all the old patrons of this well-known reliable concern that a continuation of their patronage is respectfully solicited. I am prepared to take care of all new patrons, who will find on first trial that I have only their best interests in view. I can furnish the finest quality of Flowers of every variety obtainable in market and an early call will be appreciated. Mail, telephone, or telegraph orders will receive prompt and personal attention.

Consignors solicited. Prompt returns and best market prices

P. J. SMITH

49 West 28th Street,

New York City

Telephone, 1998 Mad.

ST. LOUIS NOTES.

Sunday at Shaw's Garden.

Shaw's Garden's first Sunday opening of the year had a beautiful day, and the garden was packed with visitors all day long. At the close it was announced by the directors that 17,406 had passed through the gates. G. H. Pring, who has charge of the big orchid houses, had his hands full; also Mr. Thompson of the cacti houses. Supt. H. C. Irish says it was a well behaved crowd and all were taken care of and shown all points of interest by the big force of students.

Visiting Nurserymen.

Delegations of nurserymen from Alabama, Georgia and Rochester, N. Y., en route to the Denver convention, assembled here last Monday and were taken in hand by Mr. Frank Weber and entertained until noon when they, with the local delegation, left on a special. Delegations were taken on at Kansas City and Omaha. The majority of the visitors expressed themselves in favor of St. Louis for next year's meeting.

Personal.

William C. Young, of C. Young & Sons Co., is visiting all the large plant growers in Illinois, Indiana and Michigan this week.

Miss Francis Kling, stenographer at Young's Greenhouses, will leave this week for a two weeks' vacation at Atlantic City, N. J.

John Barnard is now in the employ of The Bentzen Floral Co., and Miss May Burns has taken a position with the New Paris Floral Co.

W. J. Vesey, of Fort Wayne, Ind.,

was a visitor last Sunday. He was accompanied by his oldest daughter, who was entertained by Miss Tillie Meinhardt.

DURING RECESS.

Ball Game at Madbury.

An exciting 12-inning game was played at Madbury, N. H. between the Park Street Market (Boston) team and the team from Wm. H. Elliott's. Final score was 9 to 10 in favor of the Elliott's and the game was very close throughout. In the 9th inning the score was tied 8 to 8, the 10th and 11th innings neither side scored and in the 12th the Park Street Market team made one run and the Elliotts two. Ten men and a few "rooters" from the Market went up and considering that they played the well outfitted Elliott team on their home grounds, feel that they did well to keep the score so close. Saturday the 11th the Park Street Market team plays the Landscape Architects on the Reservoir grounds, Brookline, and the following Saturday play the team from Thomas Roland's at Nahant. Both of these games look like exciting contests, especially the latter.

Chicago Bowling.

INDIVIDUAL AVERAGES UP TO JUNE 3rd, 1910.

E. Johnson.....180	Winterson .....154
Yarnall .....167	Bergman .....153
J. Zech .....167	Dehnan .....148
Vaughan .....166	Ayres .....147
Farley .....163	Lieberman .....142
Huebner .....164	Wolf .....142
Pasternick .....162	Goerisch .....137
Graff .....160	Vogel .....121
Wieczorowski .....160	Krauss .....119
Asmus .....159	

DETROIT NOTES.

The Weather and Crops.

Not long ago we were jubilant about the advance of vegetation as compared with former years but now we are over three weeks behind. Everybody is complaining because outdoor operations are so much delayed and such plants as have been planted out do not show any progress. An idea of the weather conditions can be gained from the fact that on June 1st coleus were badly hurt by frost and not one local peony has come to our markets yet. This last feature will work great embarrassment in the coming Commencement season. Business is generally very good.

A Clever Thief.

Many peculiar thieves develop but the newest of them all was a neatly executed theft by a young man, Wm. Tucker, who took 7 colonial centre pieces from the banquet table and tried to sell them in local flower shops. Hugo Schroeter who had proved himself a good detective several times before discovered the culprit and was instrumental in landing the fellow in jail and the goods where they belonged.

Notes.

Breitmeyer's had the decoration for the Board of Commerce which turned out over 800 strong to feast with Pres. Taft, who by the by was welcomed by Mayor Breitmeyer in a very neat speech.

All local florists sympathize with friend Pautke at Grosse Point who mourns the loss of his 4-year-old baby girl.

FRANK DANZER.

A Prominent Florist Recently Came to Wyncote and Looked Over Our Palm Houses, Including This One

He has purchased heavily from us before, and came several hundred miles to personally place his order again this year.

Before he left, he assured us that he wouldn't have any more imported palms. "Heacock Quality" had convinced him, and had made him a "repeat" customer.

We have on our books scores of others like him—customers who stay with us year after year because



our stock has "made good" with them and their trade and enabled them to build up a Palm department showing a steady profit.

Have YOU learned the advantages of handling our Palms? If not, you cannot select a better time to commence than this summer; we have an unusually fine stock just now, and can ship on short notice. Look over the list and get in touch with us by next mail.

ARECA LUTESCENS

3 plants in pot. Each.
6-in. pot, 26 to 28 in. high \$1.00
7-in. pot, 30 to 32 in. high 2.00
8-in. pot, 36 inches high... 2.50
8-in. pot, 42 inches high... 3.00

KENTIA BELMOREANA

6 to 7 leaves Per doz. Per 100
5-in. pot, 18 in. high \$6.00 \$50.00

Each Doz.
5-in. pot, 20 in. high 9.00 70.00
6-in. pot, 22 to 24 in. high.....\$1.00 \$12.00
9-in. tub, 42 to 48 in. high 5.00
9-in. tub, 5 ft. high \$7.50 and \$8.00 Each

MADE UP KENTIA FORSTERIANA

4 plants in tub.
9-in. tub, 42 to 48 inches high.....\$4.00 Each
12-in. tub, 6 ft. high \$15.00 Each

COCOS WEDDELIANA

Per 100
2½-in. pot, 8 to 10 inches high\$10.00

PHOENIX ROEBELII

5-in. pots, nicely characterized \$1.00
6-in. pots, nicely characterized 1.50

"When in Philadelphia Be Sure to Look Us Up"

JOSEPH HEACOCK COMPANY, WYNCOTE, PA.

NOTICE Canadian Florists

We have established selling agencies at Montreal and Port Dover, Ontario, where you can obtain

APHINE

From
DUPUY & FERGUSON,
38 Jacques-Cartier Square,
Montreal,

and
THOMAS A. IVEY & SONS, Ltd.,
Port Dover, Ontario.

We desire to establish agencies in other Canadian territories and will be glad to hear from reputable firms, having proper facilities to introduce Aphine among their trade.

Aphine Manufacturing
Company
MADISON, N. J.

NEWS NOTES.

Richmond, Ind.—E. G. Hill Co. has leased the estate of E. T. Grave and will use it for growing carnations.

Salt Lake City, Utah.—The floral company partnership of D. E. Law and Wm. Wilson has been dissolved. Mr. Wilson will continue the business.

NEPHROLEPIS

Bostoniensis. We have a splendid lot of large specimens in 12-inch pots at from \$5.00 to \$7.50 each—according to size; 6-inch at 50c each.

Elegantissima Improved. This is the finest of this type. With us it has not yet shown a single Boston frond. Fine plants, 2¼-inch pots, \$10.00 per 100; 4-inch, 25c each; 6-inch, 50c each.

Superbissima. Extra heavy plants, 4-inch pots, 25c each; 6-inch, 50c each; 8-inch, \$1.00 each.

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON,
NEW YORK

ROSES

Our young bedding roses are in grand condition, of fine size and well grown.

Write for descriptive
catalog and prices.

THE E. G. HILL CO.,
Richmond, Indiana.

ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove
PA.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

JAPANESE
THE YOKOHAMA NURSERY CO.
31 BARCLAY STR. NEW YORK.
LILIES
PLANTS
BAMBOO STAKES



BOBBINK & ATKINS

WORLD'S CHOICEST NURSERY AND GREENHOUSE PRODUCTS
BAY TREES, BOXWOOD, EVERGREENS AND CONIFERS
RHODODENDRONS AND HERBACEOUS PLANTS
KENTIAS AND PHOENIX

We have a large quantity of all this stock. We shall be glad to give special prices on any quantity.

YOUNG RUBBER PLANTS, 2½ in. pots, \$15.00 per 100.
Order early—limited quantity.

NURSERYMEN AND FLORISTS

Rutherford, N. J.

'MUMS THE WORD

We have many thousands of plants in 2¼ in. pots, of such varieties as Appleton, Miriam Hankey, Nellie Pockett, Wm Duckham, Cheltoni and other Standard kinds that we are offering at \$3.00 per hundred, \$25.00 per thousand.

We will also quote special price on **Singles** of which we have some 90 varieties. We will give you a good selection of colors in as many varieties as you wish at \$5.00 per hundred.

Our Special Commercial Novelty for this year is Yellow Ivory.

This, we can give immediate delivery on, 2¼ in., at \$15.00 per hundred.

CHARLES H. TOTTY

Madison, New Jersey

New Everblooming Crimson Rambler Rose

Flower of Fairfield

Flowers in June and continues constantly in bloom until frost, identical in appearance with the old Crimson Rambler. Orders booked now for immediate or Spring import. Strong field-grown plants, \$35.00 per 100, \$320.00 per 1000, f. o. b. Boston.

R. & J. FARQUHAR & CO.

SEEDSMEN AND NURSERYMEN

6 and 7 South Market St., Boston.

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OUWERKERK, 216 Jane St., Weehawken Hgts.
P. O. No. 1, Hoboken, N. J.

HERBERT, ATCO, N. J.
DAHLIAS Every Day in the Year.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

PEACOCK'S PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, \$3.50 per doz., \$25.00 per 100. Best cut flower sorts, \$1.00 per doz., \$5.00 per 100.

PEACOCK DAHLIA FARMS, WILLIAMSTOWN, JUNCTION, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

Trade

he... is Convention.

ing m... dning to the com-
ing S... Convention having
been... ed the next thing in
order... members to attend,
and it is h... that there will be a lib-
eral attendance. Those who have been
looking forward to a dip in the surf
may be disappointed unless they are
prepared to take it in pretty chilly
water. The cold weather has con-
tinued for so long, or in other words,
there has been so little really warm
weather that the sea water will un-
doubtedly be too cold to suit the aver-
age bather.

Losses on Onion Sets and Potatoes.

We are informed that a good many
onion sets have been dumped during
the past week or ten days, dealers
having become convinced that there
will be no market for them this sea-
son. The total loss from this source
is not believed to be heavy. The loss
due to the slump in the price of seed
potatoes has, no doubt, been heavier
than on the onion sets although pota-
toes of course are not a total loss as
are the onion sets.

Low Prices on Canning Peas.

The canning of peas is proceeding
under pressure throughout Delaware
and Maryland and reports are that the
crop is rather light. The price of
peas in the pod in Baltimore city is
reported to be rather disappointing,
and in Washington it is even lower.
We are informed that in the latter
city the small-podded varieties are
bringing only \$1.50 per barrel of two
and one-half bushels, and when the
cost of picking, which is seventy-five
cents per barrel, is deducted there is
little or nothing left for the truck
farmer. Large-podded peas, such as
Amer and Gradus, are bringing from
\$2.50 to \$3.00 per barrel, but even this
price is not a very paying one.

The Next Cannery's Convention.

We are informed that a serious hitch
has occurred in the plans for the
Cannery's Convention of next winter. It
was generally supposed that Milwau-
kee had been settled on as the place
after a committee representing the al-
lied associations had conferred with a
committee of the business men's asso-
ciation of Milwaukee, and after the
said allied committee had appointed a
sub-committee which visited Milwau-
kee to look over their convention hall
and decided that everything was ac-
ceptable. The only matter which was
not definitely settled at the time was
certain concessions asked of the hotel
men's association. The business men's
committee undertook to speak for the
hotel men, and while they did not have
authority, assumed that what they ac-
cepted would be approved by the hotel
men. It seems, however, that the lat-
ter are not disposed to sanction what
the business men's committee promised
and there is therefore a hitch, which,
unless it is speedily adjusted will result
in another city being named for the
next Cannery's Convention. Doubtless
the matter will be given earnest at-
tention by the canners and allied asso-
ciations as the matter should be settled

Michell's Giant Strain Primrose and Cineraria Seed

PRIMULA CHINENSIS

We have a very choice strain of Primula, which is grown for us by the lead-
ing Primula Specialists in England and Germany. Flowers of extra large size,
and beautifully fringed.

	1/2 Trade Pkt.	Trade Pkt.		1/2 Trade Pkt.	Trade Pkt.
Alba Magnifica. White	\$0.60	\$1.00	Kermesina Splendens.		
Chiswick Red. Brilliant	.60	1.00	Crimson .....	.60	1.00
Holborn Blue.....	.60	1.00	Rosy Morn. Pink.....	.60	1.00
			Michell's Prize Mixture..	.60	1.00

CINERARIA

The Cineraria seed offered by us is the best procurable. Immense trusses of
the largest flowers are produced. Our strains have been awarded numerous
First Prizes.

	1/2 Trade Pkt.	Trade Pkt.		1/2 Trade Pkt.	Trade Pkt.
Grandiflora Prize Dwarf.			James' Giant Strain.		
Mixed	\$0.60	\$1.00	Mixed .....	.60	1.00
Grandiflora Prize Medi-			Hybrida Choice Mixed...	.30	.50
um Tall. Mixed.....	.60	1.00			

Our Wholesale Catalogue free for the asking

Henry F. Michell Co., 518-1018 Market St.
PHILADELPHIA

at as early a date as practicable. We
shall be in a position to give definite
information of this just as soon as the
matter is finally decided upon whether
Milwaukee is accepted or some other
city.

A Canning Company in Trouble.

It is, no doubt, generally known that
the Waukesha Canning Co. are in the
hands of receivers, but it is also given
out by the receivers that they intend
to operate the Company's plants and
fill all orders for future delivery ac-
cepted by the firm. As this concern
was a very large user of pea seed, it is
assumed that they must be owing a
number of pea growers for seed shipped
them last winter. We have not re-
ceived definite information about this,
but will probably get such information
in the near future. Undoubtedly all
accounts will be paid pro rata. The
indebtedness of the concern is said to
be between five and six hundred thou-
sand dollars, the nominal assets being
several hundred thousand more, but as
a matter of fact it is not believed that
the assets are anywhere equal to the
liabilities, and the creditors must be
prepared to accept a substantial cut in
their claims when the same are finally
adjusted.

Another Frost.

A severe frost in northern Michigan
and Wisconsin at the close of the past
week has done considerable damage to
tender crops, but full information is
not at hand. We should be able to
make a more complete report on this
matter in our next issue.

Notes.

We are informed that I. N. Simon
& Son have closed their Newark, N.
J., store, but it is reported that an-
other party has his eye on it and may
decide finally to open a store some-
where in the vicinity of that occupied
by Simon & Son.

J. F. Noll & Son, Inc., report a very
excellent trade this season, the total
showing a very gratifying increase
over last year. It is generally be-
lieved that their experience has been
a common experience of the trade as a
whole and we have heard very few
complaints from seedmen this year.

Howard M. Earl arrived at Los An-
geles on 29th ult. and spent part of
the day looking over the Bodger sweet
pea farms at that point. On the 30th
the start was made for the Burpee
farm, "Floradale," near Lompoc.
Straw is short in the sweet pea fields
so far as yet seen, which means a
light crop if the condition is general.

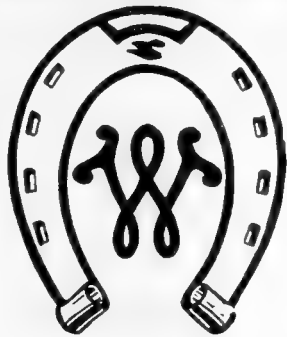
Washington, D. C.—F. W. Bolgiano
& Co. have recently moved into a five-
story warehouse, 1009 B street N. W.
The general sales room will be on the
first floor, fertilizers on the second,
seeds on the third and implements on
the fourth and fifth. The move was
made on the twenty-first anniversary
of their senior's starting in business.

PUBLICATIONS RECEIVED.

"Soils and Manures," by J. Alan
Murray, B. Sc., has just been published
as one of the "Westminster Series,"
by D. Van Nostrand Company, New
York City. This volume of over 350
elegantly printed pages will be found
invaluable to anyone whose interest
centers in the intelligent cultivation
of land and the conservation of soil
fertility. That the author thoroughly
understands the all-important subject
of plant needs and soil enrichment and
has the rare ability to treat it in an
exhaustive manner from a scientific
standpoint and yet make his pages in-
teresting and intelligible to the layman
is the first impression one gleans from
a glimpse of its pages. Under the
main divisions of "The origin of
soils," "Physical properties of soils,"
"Chemistry of soils," "Biology of
soils," "Fertility," "Principles of
manuring," "Phosphate manures,"
"Phospho-nitrogenous manures," "Ni-
trogenous manures," "Potash ma-
nures," "Compound and miscellaneous
manures," "General manures," and
"Farm yard manure," the author has
covered nearly 300 sub-topics and there
is an appendix giving instructions for
valuing manures, as issued by the
Highland and Agricultural Society of
Scotland and a series of tables on the
composition and manurial value of
various farm food, calculated by Dr.
Charles Crowther.

It would be very difficult to ask a
question on any phase of the great sub-

WARD'S LILY BULBS



"NOT HOW CHEAP—
BUT HOW GOOD."

RALPH M. WARD & CO.

West Broadway, . . . New York

**GEORGE C. WATSON
SEEDSMAN**

DOBSON BUILDING

9th and Market Sts., Phila.

Sole Agent United States and Canada for
Barenbrug, Burgers & Co.

FANCY GRASS SEEDS
Arnhem, Holland

Philadelphia Representative:
J. C. VAUGHAN, Chicago and
New York
Seeds and Bulbs

WESTERN SPRINGS NURSERIES
Plants

**HORTICULTURE PUBLISHING
COMPANY**

Subscriptions, News, Advertising

Keystone Phone, 5248 D Main
Bell Phone, 5639 Walnut

(Passenger Elevator Entrance)
839 Market St.

(Freight Elevator)
9 North 9th St.

We Would Announce the Opening of our New Store

"BUDS"

76 Barclay Street, New York
High Grade Seeds, Bulbs and Plants

Give us a call

CARL R. GLOECKNER, Pres.

ject of which this book treats to which a concise and convincing reply cannot be found in its contents. The price is \$2.00, net, and the book can be obtained direct from the publishers or through the office of HORTICULTURE.

NEWS NOTES.

Algona, Ia.—August Huenhold expects to move his greenhouse to the J. P. Fohlin place which he has just purchased.

Fond Du Lac, Wis.—Eight lots on Oak avenue, Oak Grove Addition, have been purchased by A. L. Bush & Co., where they will erect a greenhouse plant.

LEONARD SEED

CONTRACT GROWERS AND WHOLESALE SEEDS
BEANS, PEAS, SWEET CORN, ONION, GARLIC SEEDS
ONION SETS Get Our Prices 79 and 81
FLOWER SEEDS E. KENZIE STREET, C GO

RUSH ORDERS!

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

James Vick's Sons
ROCHESTER, - N. Y.

Mention this paper

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

STANDARD SEED

FOR THE
Florist and Market Gardener.

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

**Cauliflowers
CABBAGE**

LILY OF THE VALLEY PIPS.

HJALMAR HARTMANN & CO.

Longangsstraede 20,
COPENHAGEN, DENMARK.

SOW NOW

Primula Obconica Grandiflora, as: Carmine, Pink, White, Mixed Hybrids, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

Primula Chinensis Fimbriata Grandiflora, Blood-red, Pink, White, Finest Mixture, each separate Tr. Pkt., 50c. 6 Tr. Pkts., \$2.50.

O. V. Zangen, Seedsman, Hoboken, N. J.

CATALOGUE

Designing and Illustrating

For florists, seedsmen, etc. Photographs and designs of all kinds carefully made and promptly submitted.

CEO. E. DOW

178 Washington St, Boston, Mass.

VEGETABLE PLANTS

Per 100 Per 1000

CABBAGE—All Head Succession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 20c. \$1.00
10,000 and over 85cts. per 1,000

EGG PLANTS — Black Beauty and New York Improved 40c. 2.00

PEPPERS—Bull Nose, Ruby King and Sweet Mountain 40c. 2.00

CASH WITH ORDERS

R. VINCENT, JR., & SONS CO.

White Marsh, Md.

ESTABLISHED 1820

**Thorburn's
Bulbs**

We are booking orders now for Harrisii and Formosum and other Japan Lilies, also Roman Hyacinths and Paper White Narcissus.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

NEW PRICE LIST

of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

ANT. C. ZVOLANEK

Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

Schlegel & Fottler Co.

26 & 27 So. Market St., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.



**SEASONABLE
SEEDS
FOR THE
FLORIST**

H. E. Fiske Seed Co.,
Boston, Mass.

DON'T FORGET

to give us a trial on Asters, Mignonne, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.

We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.,** 1215 Betz Bldg., Philadelphia, Pa.

Katalog for the asking.

In ordering goods please add "I saw it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

SAMUEL MURRAY Florist

Coates House Conservatory
1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

Palmer's Flowers of Quality
BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

PHILADELPHIA RETAIL HAPPENINGS.

Two or three carloads of plants and flowers have already been shipped down to the "million dollar pier" at Atlantic City this week by the Habermehls for the annual convention of the Railway Supply Manufacturers' Association. In addition to their general contract, Messrs. Habermehl have supplementary orders from the exhibitors at two or three hundred stalls and pagodas. The extent and importance of the decorative work has compelled the opening of a temporary office for the firm at Atlantic City, and the chief of the decorating department—Wm. Graham—backed up by the head of the

STEAMER DEPARTURES

Atlantic Transport.

Minnewaska, N. Y.-London... June 11
Minneapolis, N. Y.-London... June 18

Cunard.

Caronia, N. Y.-Liverpool... June 11
Campania, N. Y.-Liverpool... June 15
Saxonia, Boston-Liverpool... June 21

French.

La Provence, N. Y.-Havre... June 16

Hamburg-American.

Cincinnati, N. Y.-Hamburg... June 11
Pennsylvania, N. Y.-Hamburg... June 15
Cleveland, N. Y.-Hamburg... June 18

Leyland.

Winifredian, Boston-Liverpool... June 18

North German Lloyd.

Friedrich der Grosse, N. Y.-Medan... June 11
K. Wm d'Grosse, N. Y.-B'n... June 14
Bremen, N. Y.-Bremen... June 16
Koenig Albert, N. Y.-Medan... June 18
Kriegerin Cecilie, N. Y.-B'n... June 21

Red Star.

Vaderland, N. Y.-Antwerp... June 11
Lapland, N. Y.-Antwerp... June 18

White Star.

Baltic, N. Y.-Liverpool... June 11
Canopic, N. Y.-Medan... June 11
Cymric, Boston-Liverpool... June 14
Oceanic, N. Y.-Shampton... June 15
Celtic, N. Y.-Liverpool... June 18

firm, John Habermehl, are having one of the liveliest times of their lives.

While on the subject of Habermehl I must not forget to mention a most unique dinner decoration they got up recently at the old Geo. W. Childs mansion. Ceiling, walls and floor were at the bottom of the sea! Waves on all sides, old anchors, sea anemones, hulks, mermaids—then some moving pictures to make the scene perfect. The occasion was the departure for a sea trip to Europe of a wealthy department store proprietor

If it's true it can be told more than once—to infinity in fact. That is my excuse for again saying that to sit on your chair and expect business to come is—you all know the proper adjectives. I talked to a retailer today. He had a magnificent window display, a corner store right in the heart of the city, and he couldn't understand why the public were not rushing in to buy. "If I mark them down from 50 to 10," said he, "I know it wouldn't make the slightest difference." Perhaps he was right; but how about another retailer

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE BEST LETTERS

FOR **R** THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.
66 PEARL ST., BOSTON
N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON
Inscriptions, Emblems, etc., All year in Stock

FLORISTS' SUPPLIES
Send for New Catalogue
H. Bayersdorfer & Co.
1129 ARCH ST., PHILADELPHIA.

**NEW ENGLAND
FLOWER DELIVERIES**
Send flower orders for delivery in Boston and all New England points.
THOS. F. GALVIN
124 Tremont St., Boston

THE BOSTON CUT FLOWER CO.
Will fill orders for flowers, design work or plants promptly as ordered to any address in Boston and vicinity. Usual Commission.
14 Bromfield Street, Boston.
Telephone, Main 3681.

TRANSFER
Your orders for flower or plant delivery in Eastern New England to
JULIUS A. ZINN
1 Park St., Boston

ROSENS
48 W. 29th Street, New York City
Telephone No. 1757 Mad. Sq.
FLORISTS' SUPPLIES
GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGE
Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3.

GEO. A. HEINL, TOLEDO, OHIO
LEADING FLORIST.
ALL ORDERS PROMPTLY EXECUTED

Florists' Refrigerators
Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.
McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

of my acquaintance not in the center, but away outside and with no corner store? How does he go about it that he can have crowds all day long? I know but I'm not going to tell you this trip. As Sam Weller said, "Make your love letters short, so she'll wish there was more."

NEWS NOTES.

Chicago, Ill.—The Chicago Rose Co. has moved to the basement of number 6 Wabash Ave.

The old established florist business of James Bolling, Montgomery street and West Side avenue, Jersey City, N. J., will hereafter be carried on by Mr. Bolling's son Charles.

Detroit, Mich.—John Breitmeyer's Sons are giving their Mack avenue plant a thorough overhauling and will erect two new houses 50 x 150 feet and also an office building. Their neighborhood has been so thoroughly built up with first-class residences that it became a necessity to open that place for general business. Formerly nothing whatsoever was being sold at the greenhouses.

Our advertising columns announce the removal of Phil. F. Kessler from the premises which he has occupied for a number of years in the Coogan Building, New York City, to the second floor above, in the same building. We are always glad to note evidences of growing prosperity in the case of such worthy representatives of the wholesale florist trade as Mr. Kessler. His popularity with the trade of New York has been achieved in the right way and, in his new and commodious quarters, his business will undoubtedly continue to grow and prosper.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—Julius A. Zinn, 2 Beacon St.
Boston—The Boston Cut Flower Co., 14 Bromfield St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heinel.
Toronto, Can.—J. H. Dunlop, 96 Young St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

NEW FLOWER STORES.

Dubuque, Ia.—W. A. Harkett.
Boston, Mass.—J. J. Casey, Huntington avenue.
Chicago, Ill.—J. F. Czarnack & Co., 1514 W. Chicago avenue.

CHICAGO NOTES.

A Wedding Decoration.

A canopy of a new type was made by A. Lange for the Rice-Greenfelder wedding at the Congress Hotel. Instead of the one centre support which takes up the room needed for the wedding party this canopy was supported on either side, leaving the center clear. It was studded with electric lights and occupied one end of the Florentine parlor, while the other end of the room was used for the tables, being separated by a partition of palms. The table of the bridal party was of heart shape with Killarney roses and lily of the valley in Austrian vases, and the six guest tables surrounded it, each one having a basket of Killarney in the center. The large fountain, with its electric lights, was surrounded with ferns. Boston ferns also hung from the balconies. A model shower bouquet of white sweet peas attracted much attention in Mr. Lange's window.

An Advertising Retailer.

H. R. Hughes, who has won fame as an advertiser of unusual ability and unique methods, has now installed a stereopticon which from an opening in the roof of his store throws pictures upon the side of an adjoining building which can be seen for a long distance in several directions. Last month a hundred children danced in the spacious windows of his store and various calcium lights were thrown upon the scene, making a sight never to be forgotten. Mr. Hughes plans all his attractions and writes his own stories which accompany them, and says that financially the publicity pays well.

Trade and Personal Notes.

A cablegram from O. P. Bassett and bride announces their safe arrival on the other side.

Fred Munzing sailed for England on the Lusitania on the 7th. He will spend the summer there.

It is rumored that F. Fuhrmann of 3166 N. Clark street will soon open a new place on Evanston avenue.

D. Papatorry has taken a five years' lease at 53 Randolph in the Masonic Temple. He will run this in addition to his store in the Briggs Hotel.

June 2nd made a record for the coldest June day in many years. Hail fell in many parts of the city and masses of ice four inches deep that accumulated between houses were unmelted the following afternoon.

The Killarney rose is exceedingly popular this week. A beautiful table was arranged at the Blackstone by Harry Rowe. The center piece was a mass of the roses with long streamers of Asparagus plumosus, overlaid with roses. The corsage bouquets were pink sweet peas.

Visitors:—G. W. Stumpner, Argos, Indiana; W. A. Harkett, Dubuque, Iowa; August Casper, Rochelle, Ill.; Mr. Anderson, gardener at Deere Estate, Moline, Ill., en route to Sweden for a summer outing in his native land; J. G. Crozier and son Milo Crozier of Dubuque, Ia.; C. L. W. Snider, El Paso, Ill.; W. Young, St. Louis, Mo.; A. L. Glasser, Dubuque, Ia.; E. Kirschner, Winona, Wis.; Chas. Cannon, St. Louis, Mo.; C. Currie, Toledo, O.

BEAUTIES

\$3.00 per dozen, \$20.00 per 100.
As good as any coming to this market.

EASTER LILIES

\$2.00 per dozen, \$15.00 per 100.
Good stock. Can furnish any quantity.

LEO NIESSEN CO.
WHOLESALE FLORISTS
1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

SWEET PEAS
CHOICE VALLEY

W. E. McKISSICK & BROS., Wholesale Florists
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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	June 7		June 7		June 7		June 9	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 25.00	30.00	to 35.00	20.00	to 25.00	18.00	to 25.00
" Extra	15.00	to 20.00	25.00	to 30.00	12.50	to 15.00	12.00	to 15.00
" No. 1	12.00	to 15.00	15.00	to 25.00	8.00	to 10.00	8.00	to 10.00
" Lower grades	5.00	to 10.00	8.00	to 15.00	2.00	to 6.00	3.00	to 8.00
Bride, 'Maid, Chateaux, F. & S.	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	5.00	to 8.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	3.00	to 5.00	1.00	to 3.00
Killarney, My Maryland, Fan. & Sp.	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 12.00
" Lower grades	3.00	to 5.00	6.00	to 8.00	3.00	to 5.00	1.00	to 3.00
Richmond, Fancy & Special	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
" Lower grades	3.00	to 5.00	6.00	to 8.00	3.00	to 5.00	1.00	to 3.00
Kaiserin, Carnot, Fancy and Sp.	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Lower Grades	3.00	to 5.00	4.00	to 6.00	3.00	to 5.00	3.00	to 6.00
CARNATIONS, Nov. and Fan.								
" Ordinary	2.00	to 3.00	3.00	to 4.50	.....	to 3.00	1.50	to 3.00
" "	1.00	to 2.00	2.00	to 3.00	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas	50.00	to 60.00	50.00	to 60.00	50.00	to 60.00	40.00	to 50.00
Lilies	12.00	to 15.00	12.50	to 15.00	10.00	to 12.00	8.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 4.00
Stocks	4.00	to 6.00	.....	to	2.00	to 3.00	2.00	to 3.00
Pansies .....	.50	to .75	.75	to 1.00	.....	to .....	.50	to 1.00
Daisies .....	.40	to .50	.75	to 1.25	.75	to 1.50	2.00	to 4.00
Snadragon	3.00	to 5.00	4.00	to 7.00	.....	to	4.00	to 8.00
Peonies	4.00	to 8.00	.....	to	4.00	to 8.00	.75	to 2.00
Sweet Peas	1.00	to 1.50	1.00	to 1.00	.75	to 1.00	.25	to 1.00
Gardenias	20.00	to 30.00	15.00	to 25.00	15.00	to 25.00	8.00	to 12.00
Adiantum .....	.....	to 1.00	.75	to 1.25	1.00	to 1.50	1.00	to 1.50
Smilax	12.00	to 15.00	12.00	to 15.00	.....	to 30.00	12.00	to 16.00
Asparagus Plumosus, strings (100) ..	50.00	to 60.00	45.00	to 60.00	to 50.00	to 50.00
" " & Spren. (100 bchs.)	to 25.00	25.00	to 35.00	35.00	to 50.00	to 50.00

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In our **GREEN DEPARTMENT** we have New Crop Dagger and Fancy Ferns, \$1.50 per 1000; Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

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CHICAGO, ILL. FRESH STOCK.
Long Distance Phone | Telegraph, Telephone or | We Grow Our Own Flowers. |
Randolph 2758 | Bring in Your Orders. |
Roses and Carnations Our Specialty

Flower Market Reports.

BOSTON There are evidences of a mild slump in prospect in this market. All that has kept it intact thus far has been the continued cool weather, and it only requires a spell of high temperature such as always comes sometime in June to bring in an avalanche of retarded stock. The market has been greatly favored in another sense by the cool weather and the resultant sturdy petalled flowers, in that it has made shipping a pleasure for those engaged in it and has elicited compliments and gratitude from out-of-town buyers generally, for the splendid condition in which goods arrived for Memorial Day. Roses have been moving very satisfactorily and quality is good throughout the entire line. Carnations have sold well, also, up to the middle of this week, but they are now showing decided weakness. Lily of the valley is scarce, much in demand, and higher in price than for a long time past. Lilies are very draggy and peonies are discouragingly slow. Sweet peas are over-stocked and values are on the downward trend. Heavy shipments of stocks are coming in every day—stocks intended for Memorial Day but which did not mature in time, and the prices which they now realize are entirely inadequate to recompense the grower. Very fine Jack Rose dahlias are in this market and are a very pleasing and acceptable novelty, so early in the season. They are grown by W. C. Ward, of Quincy. Five transatlantic steamers have sailed from Boston this week, carrying over 3000 passengers and the local flower business has experienced a boost of no small value in consequence.

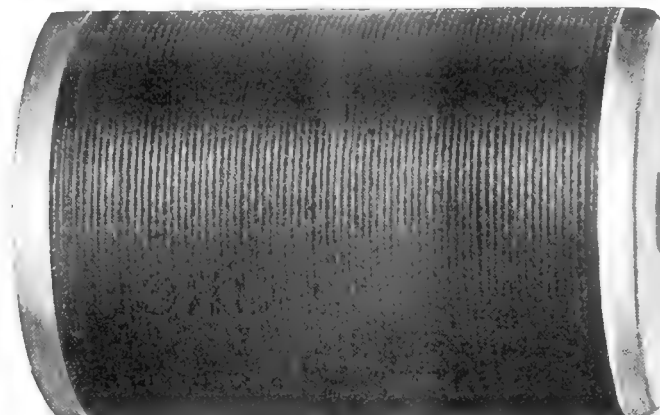
June is recognized as **BUFFALO** the month of weddings. Everything centers about the weddings and commencements now and the trade is looking forward for a busy ending of spring business. Bridal flowers are gradually being in demand. Bride roses, White Killarney, lily of the valley, orchids, paeonies, etc. The past week left the market in good condition and trade was very active on some lines. Stock has been scarce, though a good deal more could have been used, especially in the sweet pea line. Other stock such as carnations, roses, lilies, daisies, etc., was in good supply and everything seemed to clean up satisfactory. Home grown paeonies are slow in coming in, only a few of the early red being had. Greens of all kinds are in good supply.

That an unusual amount of business was done during the week following Memorial Day is conceded by both wholesalers and retailers, and this refers to both local and shipping trade. Scarcely a shrub is in bloom anywhere in this vicinity and pansies are almost the only out-of-door flowers, so the florists are called upon whenever there is an occasion that demands the use of flowers. The result is that prices are almost as high as before Memorial Day, in fact, there is no change in the price of roses. Carnations, of course, bring less, but the demand is steady and all good stock sells readily at good prices. Beauties



FLORIST'S GREEN THREAD

Similar to silkline, and many consider it even superior, while the price is only about one-half.



Strong cord and fast color. Just the thing for stringing Smilax and Asparagus
Single pound 75c. Box of 3 lbs. \$2.10. Pkge. of 12 lbs. \$8.00,

CHIFFONS SILK NETTING FANCY RIBBONS
S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF
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1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI			DETROIT			BUFFALO			PITTSBURG		
	June 7			June 7			June 7			June 7		
ROSES												
Am. Beauty, Fan. and Sp.....	20.00	to	30.00	20.00	to	25.00	20.00	to	25.00	20.00	to	25.00
" Extra	10.00	to	15.00	16.00	to	20.00	15.00	to	20.00	12.00	to	15.00
" No. 1.....	6.00	to	10.00	12.00	to	16.00	8.00	to	10.00	3.00	to	8.00
" Lower grades.....	4.00	to	6.00	4.00	to	10.00	2.00	to	4.00	.....	to	2.00
Bride, 'Maid, Chatenay, F. & S....	6.00	to	8.00	6.00	to	8.00	8.00	to	10.00	6.00	to	8.00
" Low. gr.....	3.00	to	4.00	4.00	to	6.00	2.00	to	8.00	2.00	to	4.00
Killarney, My Maryland, Fan. & Sp.	6.00	to	8.00	6.00	to	8.00	8.00	to	10.00	8.00	to	10.00
" Lower grades.....	3.00	to	4.00	4.00	to	6.00	2.00	to	8.00	3.00	to	6.00
Richmond, Fancy & Special.....	6.00	to	8.00	6.00	to	8.00	8.00	to	10.00	8.00	to	10.00
" Lower grades.....	3.00	to	4.00	4.00	to	6.00	2.00	to	8.00	3.00	to	6.00
Kaiserin, Carnot, Fancy and Sp....	6.00	to	8.00	6.00	to	10.00	.....	to	.....	6.00	to	8.00
" Lower Grades.....	3.00	to	4.00	4.00	to	6.00	.....	to	.....	2.00	to	4.00
CARNATIONS, Novelties and Fancy												
" Ordinary	2.00	to	.....	1.50	to	2.00	1.50	to	2.50	1.50	to	2.00
MISCELLANEOUS												
Cattleyas	50.00	to	60.00	50.00	to	60.00	50.00	to	75.00	50.00	to	75.00
Lilies	8.00	to	10.00	15.00	to	.....	8.00	to	12.00	8.00	to	10.00
Lily of the Valley.....	3.00	to	4.00	3.00	to	4.00	3.00	to	4.00	2.00	to	4.00
Stocks.....	2.00	to	3.00	4.00	to	8.00	.....	to	.....	1.00	to	6.00
Pansies.....	.50	to	.....	.....	to	.....	.....	to	.....	.....	to	.50
Daisies.....	.25	to	.50	.50	to	1.00	1.00	to	2.00	1.00	to	1.50
Snopdragon.....	4.00	to	6.00	3.00	to	6.00	5.00	to	8.00	4.00	to	8.00
Peonies.....	2.00	to	4.00	4.00	to	10.00	2.00	to	6.00	4.00	to	6.00
Sweet Peas.....	.50	to	.75	.50	to	1.00	.50	to	1.00	.50	to	1.00
Gardenias.....	1.00	to	3.00	.....	to	.....	15.00	to	20.00	.....	to	.....
Adiantum.....	.....	to	1.00	1.00	to	1.50	1.00	to	1.50	1.00	to	1.50
Smilax	12.00	to	15.00	15.00	to	.....	15.00	to	25.00	15.00	to	20.00
Asparagus Plumosus, strings (100)	25.00	to	35.00	25.00	to	40.00	50.00	to	60.00	25.00	to	50.00
" " & Spreng. (100 bchs.)	20.00	to	30.00	25.00	to	40.00	25.00	to	50.00	25.00	to	50.00

are still scarce, especially long ones, and there are many cripples among all lengths. The only real good Beauties to be had are those just beginning to come from the plants grown purposely for summer blooming. Peas of the Spencer type are fine and sell readily at from \$1.00 to \$1.50 per 100, but the old time sweet peas, with the short stems, do not sell quickly at fifty cents. Local growers of peonies report from one fourth to one third of a crop, the qual-

ity of the old red being only fair, and no one can say yet what the quality of the later varieties will prove to be. As the season for callas closes the demand increases and lilies are very scarce. Asparagus plumosus and Sprengeri are both selling about as fast as obtainable and in general this can be said of all kinds of good stock, owing to a stronger demand than usual at this season of the year. Another week will bring commencements.

(Reports continued on page 55)

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Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Open from 5 a. m. to 6 p. m. Sunday
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Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending June 4 1910		First Half of Week beginning June 6 1910	
American Beauty, Fancy and Special.....	12.00	to 20.00	12.00	to 20.00
" " Extra.....	8.00	to 10.00	8.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Hald, Golden Gate, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.30	to 2.00	.50	to 2.00
Killarney, Maryland, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Fancy and Special.....	4.00	to 8.00	4.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Kaiserin, Carnot, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	.75	to 1.00	.75	to 1.00

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
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WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
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Tel. 4591 Main

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Perfect Adjustable Plant Stands and
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J. K. ALLEN

**106 W. 28th St.
New York**

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 4 1910		First Half of Week beginning June 6 1910	
Cattleyas.....	30.00	to 35.00	20.00	to 35.00
Lilies.....	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Stocks.....	1.00	to 2.00	1.00	to 2.00
Daisies.....	.25	to 1.00	.25	to 1.00
Snapdragon.....	4.00	to 6.00	4.00	to 6.00
Peonies.....	3.00	to 6.00	3.00	to 6.00
Sweet Peas (per 100 bchs).....	3.00	to 6.00	3.00	to 6.00
Gardenias.....	15.00	to 20.00	10.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	10.00	to 12.00	10.00	to 12.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Spreng. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

Flower Market Reports

(Continued from page 895)

Plenty of stock of all NEW YORK kinds is being received. Business is gradually dropping off and it begins to look as if the end was in sight for this season. It has not been at all satisfactory from the standpoint of the wholesale trade. Market conditions have been favorable to the retail trade all through the season, but even they are not enthusiastic, as a rule, and many are expressing dissatisfaction with the season's outcome. No fault can be found with the quality of the flowers supplied. Especially during the past month has the average quality excelled anything in past seasons for corresponding date, the cool weather proving a God-send in this respect. As our quotations show, prices are dropping and will soon reach summer basis. Small roses are unloaded at any sort of sacrifice.

Demand last week PHILADELPHIA ran mostly on sweet peas, lily of the valley and roses. Peonies also went off in good shape—there being some big orders for these every day. On the whole it was a satisfactory market; there being a lot of wedding and commencement work around, which stirred up quite a little business in wholesale centers. On account of rainy, cold weather, outdoor sweet peas, on which nearly everybody was depending, proved quite a disappointment. The indoor stock came back to their own again in consequence. The latter are, of course, not so easily af-

ected by cold or wet weather. American Beauty roses were plentiful and the demand was about normal. There are very few Liberties arriving; but plenty of very good Richmonds. The quality of Killarney and Maryland keeps up excellently, as does that of all other roses—exceptional for June. White roses have been in better demand as a general thing than many of the colored. Carnations had their in-ning Memorial week, and naturally, receded to a more modest seat the past few days. The "June girl" evidently sorely needed lily of the valley, to judge from the briskness of that market. Happily her needs were all attended to in good shape—plenty of fragrant stock and mostly high grade. Gardenia growers are anxiously looking for some improvement in their market and some is certainly coming to them. Things in that line were the faintest trifle better. Orchids fairly plenty and quality very good. In outside material in addition to peonies and sweet peas, the most important new items are Gladiolus Shakespeare (and other choice varieties from Southern points), lychnis and coreopsis. Peonies will probably be available for a couple of weeks yet; but the local cut is about over—with the exception of a few of the very late varieties.

(Continued on page 904)

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Fully Guaranteed.

LOUISVILLE FLORAL CO.
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Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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For page see List of Advertisers.

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Achyranthes, Linden and Wallacei, 2-in., \$2.00 per 100; 2½-in., strong, \$3.00 per 100. Newton Rose Conservatories, Newtonville, Mass.

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Alyssum, \$2.00 per 100. E. H. Frenking, 1200 Hamilton, Trenton, N. J.

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Asparagus Sprengerii, 2½ inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 per 1000; 10 cents for sample. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

ASTERS

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Field-grown, separate colors. Crego, white, pink and rose; Semple's, purple and lavender; \$2.50 per 1000, express; by mail, 50c. per 100. Cash with order. A. & C. Rosbach, Pemberton, N. J.

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BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Godfrey Aschmann, Philadelphia, Pa.
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Bedding plants, Geraniums in bud and bloom, Nutt, Trego, Poitevine, Vland, Jauhin, La Favorite, 3½ in., \$6.00 per 100. Feverfew, double white; Petunias, double and single, 3½ in., \$5.00 per 100. Fuchsias, Little Beauty and other best market varieties, 2 and 3½ in., \$2.50 and \$6.00 per 100. Abutilon Savitzii, Parlor Ivy, Ageratum Gurney, Begonia semperflorens and Vesuvius, 3 in., \$5.00 per 100. Verbenas, Dusty Miller, Blue Lobelias, Achyranthes Linden, 2½ in., \$2.50 per 100. Alternantheras, red and yellow, 2 in., \$2.00 per 100. Special price on large quantities. Cash. F. Sokol, College St., Worcester, Mass.

Achyranthes, Coleus, of all varieties, 2-in., \$2.00 per 100; 2½-in., strong, \$3.00 per 100. Heliotropes, 4-in., \$6.00 per 100. Cash. Newton Rose Conservatories, Newtonville, Mass.

I. M. Rayner, Greenport, L. I., N. Y.

BEGONIAS

Thomas Roland, Nahant, Mass.
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Begonia Lorraine and Agathe, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

A. Leuthy & Co., Roslindale, Mass.
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New England Nurseries, Inc., Bedford, Mass.

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Bobblin & Atkins, Rutherford, N. J.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

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J. M. Thorburn & Co., 83 Barclay St., New York.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Yokohama Nursery Co., 31 Barclay St., New York.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.

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H. E. Flske Seed Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.

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"Buds", New York, N. Y.

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CANNAS

A. N. Pierson, Inc., Cromwell, Conn.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.

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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CASTLE AUTOMATIC CIRCULATOR

W. W. Castle Co., Boston, Mass.
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CEMETERY VASES

E. H. Hunt, Chicago, Ill.
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CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.

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Elmer D. Smith & Co., Adrian, Mich.
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Charles H. Totty, Madison, N. J.

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Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

CHRYSANTHEMUM ROOTED CUTTINGS

WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list.

Wm. Swayne, Box 215, Kennet Sq., Pa.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C. Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Sed." Ehmann's, Corfu, N. Y.

Gloria, 100 \$2.50; Pres. Taft, Mrs. W. E. Kelly, 100 \$3.00; Golden Glow, Pacific Supreme, White Cloud, 100 \$1.25. Rooted cuttings prepaid. Gloria, 2½ in., \$3.00 Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

J. E. Felthousen, Schenectady, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

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CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen Persicum Giganteum, Large flowering, mixed colors, fine bushy plants. 3 inch \$5.00 per 100; 4 inch \$10.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen Giganteum, extra well grown plants from 3 in. pots, \$7.00 per 100. Paul Mader, East Stroudsburg, Pa.

Cyclamens—finest stock—in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Acto, N. J.
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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Shasta Daisy Alaska, extra large, field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Godfrey Aschmann, Philadelphia.
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DRACANEAS

A. N. Pierson, Inc., Cromwell, Conn.
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Dracaenas, 5-in. pots, 20c. each; \$18.00 per 100. Suitable for vase filling. Cash. with order. The William Scott Co., Buffalo, N. Y.

Dracaena Indivisa, 6 in. pots, \$4.00; 5 in., \$3.00 per dozen. Strong plants. Vinca Variegata, 4 in. pots, \$1.50 per dozen; \$10.00 per 100. Cash. Chas. H. Green, Spencer, Mass.

Dracaena indivisa, 4-in., strong, \$8.00 per 100; 6-in., \$25.00 per 100. E. H. Frenking, 1200 Hamilton, N. J.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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H. H. Barrows & Son, Whitman, Mass.
Nephrolepis Magnifica.
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John Scott, Brooklyn, N. Y.
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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.
Evergreen Brand Fertilizer.
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Wm. Elliott & Sons, New York, N. Y.
Clay's Fertilizer.

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Hosea Waterer, Philadelphia, Pa.
Thompson's Vine, Plant and Vegetable Manure.

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FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.
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FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.
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S. S. Pennock-Meehan, Philadelphia, Pa.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.
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GARDENIAS

A. N. Pierson, Inc., Cromwell, Conn.
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GERANIUMS

B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geraniums, S. A. Nutt, Beauty Poitevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornblaser, 6417 Carnegie Ave., Cleveland, O.

25,000 geraniums in following varieties: Nutt, Buchner, Jaulin and Ricard, 3½ and 4-in., \$7.50 and \$8.00 per 100. Fine stock, strong and stocky. Cash please. A. H. Craig & Son, Stratham, N. H.

Geranium, S. A. Nutt, Double Grant and assorted, 3½ and 4 inch, 6 and 7c; Sallerol 3 inch, 4c. Stafford Floral Co., Stafford Springs, Conn.

GERANIUMS—Continued

Geraniums, rooted cuttings of Riccard, Poitevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums, Ricard, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

E. S. Miller, Wading River, L. I., N. Y.
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GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass, Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.

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Hitchings & Co., 1170 Broadway, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Peky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

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Hitchings & Co., 1170 Broadway, N. Y.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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Rice Bros., Minneapolis, Minn.

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In writing to Advertisers kindly mention Horticulture

HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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HELIOTROPES.

Heliotropes, 4-in., in pots, \$6.00 per 100.
Cash. Newton Rose Conservatories, New-
tonville, Mass.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Parshelsky Bros., Brooklyn, N. Y.
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INSECTICIDES.

Nicotinic kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Scalecide.

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Aphine.

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Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
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IRIS

E. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 81 Barclay St.,
New York.

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Home-Grown, Established Plants.
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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
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LILY OF THE VALLEY PIPS

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NICO-FUME

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NIKOTEEEN APHIS PUNK

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NURSERY STOCK

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Boblink & Atkins, Rutherford, N. J.
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Ellwanger & Barry, Rochester, N. Y.
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Bay State Nurseries, North Abington, Mass.
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Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

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ORCHID PEAT

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordonez Bros., Madison, N. J., Box 106
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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G. L. Freeman Co., Fall River, Mass.
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Arthur T. Boddington New York, N. Y.
Oncidium Importation.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
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Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
lams. 800 Illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
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John Scott, Brooklyn, N. Y.
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A. N. Pierson, Cromwell, Conn.
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Palms. *Latania borbonica*, 5-in., good
stock, 18c. Gilbert Costich, Rochester,
N. Y.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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PEONIES

PEONIES—1200 sorts, an enormous
stock. List ready. C. Betscher, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
varieties. J. F. Rosenfeld, West Point, Neb.

PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

Double Petunias.

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Petunias, 2½-in., \$2.00 per 100. E. H.
Frenking, 1200 Hamilton, Trenton, N. J.

PHLOXES.

Plox Drummondii nana compacta, \$2.00
per 100. E. H. Frenking, 1200 Hamilton,
Trenton, N. J.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
K. Graves, 414 Hayward Bldg., Rochester,
N. Y.

**PHOTOGRAPHS: DESIGNING: IL-
LUSTRATING**

Geo. E. Dow, 178 Washington St., Boston.
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PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. K. N. Kramer & Sons, Cedar
Rapids, Iowa.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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RIBBONS AND CHIFFONS

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S. S. Pennock-Meehan Co., Philadelphia,
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Rose "Flower of Fairfield," Ever-Blooming
Crimson Rambler.

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The Rose by H. B. Ellwanger; mailed
for \$1.30 by Horticulture, 11 Hamilton
Place, Boston.

Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
lishing Co., 11 Hamilton Place, Boston.

RUBBER PLANTS

Bobbink & Atkins, Rutherford, N. J.
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Young Rubber Plants, 2½ in. pots, \$15.00
per 100. Order early, limited quantity.
Bobbink & Atkins, Rutherford, N. J.

SEED GROWERS

Hjalmar Hartmann & Co.
Cauliflower and Cabbage Seed.
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SMILAX

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SMILAX STRING

John C. Meyer & Co., Lowell, Mass.
Green Silkline.

SOUTHERN SMILAX

Louisville Floral Co., Louisville, Ala.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston.
Deming Spray Pump.
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SULPHUR BURNER

Benjamin Dorrance, Dorranceton, Pa.

SWEET PEAS

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VEGETABLE PLANTS

R. Vincent, Jr., & Sons Co.,
White Marsh, Md.

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A large stock of sweet potato plants
now ready. Yellow Nansmond, Big Stem
Jersey and Early Golden, \$1.25, 1000;
\$10.00, 10,000. H. Austin Co., Felton, Del.

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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VERBENAS

Verbenas, 2½ in., \$2.00 per 100. E. H.
Frenking, 1200 Hamilton, Trenton, N. J.

WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00
per 1000. B. M. Wichers & Co., Gretna,
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 88-40
Broadway, Detroit, Mich.

Wirework—Compare our prices with
others. Scranton Florist Supply Co., 201
N. 7th St., Scranton, Pa.

WHOLESALE FLORISTS**Boston**

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Flower Market Reports.

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Business for Memorial Day was excellent and since then has been very brisk. Everything on the market, including prices, has improved, and present conditions give great promise. Wholesalers are well supplied with stocks of all sorts with the exception of carnations and sweet peas, the demand for the former having had the effect of inflating prices considerably and in many instances carnations have been practically unobtainable. The market was short of sweet peas for which there was an excellent demand. Both Beauties and tea roses were in better supply and bringing good prices. Callas are to be had and selling well. Harrisii lilies are on the short side of the market. Hardy phlox and Spanish iris are moving nicely. The supply of lily of the valley is limited, with a good call. Peonies are arriving in large quantities with only a fair demand. Green goods of all kinds plentiful with the possible exception of smilax.

The market is back on its level this week.

Prices have come down to almost half what they were on Decoration Day of which the majority in the trade say it was a good business day local as well as in shipping to near-by towns. Dealers in plants say their trade was the largest they ever had. There is plenty of good stock in the market for this week when a great deal of business is expected from weddings, school closings and dinner parties to vacationists who are about to depart for the summer. Prices for this week run as follows: Roses lowest, \$2 to \$6 per 100; carnations, lowest \$1.50, top \$3; lily of the valley, \$4; sweet peas, 35c. to 50c.; lilies, \$8 to \$10; gladioli, \$6 to \$8; extra fancy long Beauties, \$3 to \$4 per dozen, medium, \$1.50 to \$3 per dozen, and shorts \$4 to \$10 per 100. All greens are plentiful except fancy ferns which are away up in price.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day.

The Home Correspondence School

Dept. H, Springfield, Mass.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED

Experienced man to grow small Ferns, on large commercial place near Boston. Wages \$12.00 to \$15.00 per week. Address, stating experience, nationality, etc., H. T., care of HORTICULTURE, 11 Hamilton Place, Boston, Mass.

WANTED—An experienced decorator and maker up of designs and sprays. Must be strictly sober and polite to customers. A permanent situation for one who can fill the place and is well recommended. Please state wages expected. Address, A. B. C., care of HORTICULTURE OFFICE, 11 Hamilton Place.

WANTED—An experienced man for general greenhouse work, must be a sober and industrious man, or do not apply. State lowest wages for the summer, also where last employed. Address, Box 2925, Boston, Mass.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1082, Lowell, Mass.

WANTED—Manager for a seed store. Must know the business, be a good executive, energetic and a hustler. Address with references, M. J., care HORTICULTURE.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

WANTED—An assistant foreman in rose and carnation houses. \$70.00 per month. Y. Y., care HORTICULTURE.

EXPERIENCED man in retail flower store. Must be designer and good all around man. F. Williams, 35 East Randolph St., Chicago, Ill.

SITUATIONS WANTED

WANTED—Position as a gardener and general superintendent on estate. Seven years in last position. Highest references. W. B. Jackson, care HORTICULTURE, 11 Hamilton Place, Boston.

WORKING FOREMAN wants position in charge. Has long experience in growing plants and flowers for Boston market. First class references from present employers. Address J. S., care HORTICULTURE.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 80 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Good greenhouse in one of the most desirable towns, in excellent location; three railroads, making good shipping center; a snap. Apply to Wm. Ballard, Perry, Iowa.

FOR SALE—Retail florist business, fine location. Wm. Doel, Pascoag, R. I.

FOR RENT

FOR RENT—27,000 ft. of glass in good condition and eight acres of land near Pittsburgh, Pa. Write at once if you mean business. Address C. K., care HORTICULTURE, Boston, Mass.

MISCELLANEOUS

WANTED—To rent with privilege of buying cheap, greenhouse property. Box 355, New Martinsville, W. Va.

Has stood the test of over a Quarter of a Century.

THOMSON'S Vine, Plant and Vegetable MANURE

UNRIVALLED
FOR

Vines,
Tomatoes,
Cucumbers,
all Flowering,
Foliage and
Fruit bearing
Plants,
Vegetables,
Lawns, etc.



The result of
many years
practical
experience.

**PERFECT
PLANT FOODS**

Sold by
Leading
American
Seedsmen.

— ALSO —

**Thomson's Special Chrysanthemum
and Topdressing Manure**

Freight paid on quantities. Write for our
special offer to the American trade, pamphlets,
agents' circulars, etc., to sole makers.

HOSEA WATERER, Seedsman,
107-109 So. 7th St., Philadelphia

CLAY'S

For Fertilizing the Soil

56 lb. \$3.25

WM. ELLIOTT & SONS,
42 Vesey St., New York.

KILMDEAD

The best of all
the tobacco
dusts for



Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
60 lbs. 1.75 500 lbs. 14.00 2000 lbs. 62.50
Stump & Walter Co. 50 Barclay St.,
New York.

Best for Garden Spraying



In vegetable or flower garden, on fruit trees
and vines; for whitewashing, fire protection,
window and carriage washing; wherever you
use it, the Deming "Perfect Success" saves
time and trouble and does better work.

Deming Spray Pumps

Hand and power, nearly two dozen
kinds; designed and tested by practical
growers, approved by government and
Experiment Station experts. Catalogue
and Spraying Calendar free. We make
Pumps for all uses. Ask your dealer.

CHARLES J. JAGER CO.
281-285 Franklin Street, BOSTON

Save Your Trees from Second Crop of Caterpillars

Strokum will do it. Simply bind it
around your trees. Anyone can put it
on. Guaranteed not to harm trees.
Caterpillars cannot crawl under or
over it. Most effectual barrier with-
out being unsightly. Lasts an entire
season. Easy to remove.

Send \$3.00 at once for a sample
package of fifteen pounds, enough to
bind fifteen trees, three feet around.
Delivered free anywhere East of the
Mississippi; 50c. extra West of it.
Send for booklet.



George Stratford Oakum Co.

164 Cornelson Avenue. JERSEY CITY, N. J.

Immediately Available Plant Food

EVERGREEN BRAND FLOWER FERTILIZER

It permanently enriches the soil. It prevents the on-
slaught of plant disease or insect pests.

Can be used at any time during the growing season.

Put up in 12 pound cans, price \$2.00

For sale by leading jobbers. Address

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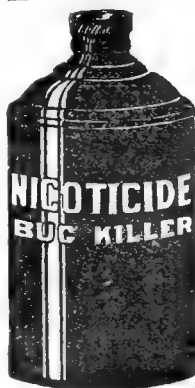
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To-Bak-Ine Products Kill Bugs

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Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago



The Best
Bug Killer and
Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Imp Soap Spray

5th year most effective spray against
all insect pests. Harmless to plants.
No mineral poisons.

Only spray Not Poisonous to
Orchard Grass

Sticks, but does not spot leaves.

Single gallon can, \$1.50.
Five gallon can, 6.00.

All dealers or from mfrs.

EASTERN CHEMICAL CO.
Pittsburg Street, Boston.

NEWS NOTES.

Alturas, Calif.—Messrs. Turner &
Posson have established a nursery in
Surprise Valley.

Covington, Ind.—W. C. Whelchel has
sold his farm and garden to Mr.
Michael and has moved to Madison,
Kans.

Salem, Mass.—E. A. Stearns has
purchased the Ward Greenhouses on
North Street, and will conduct the
same under the name of Stearns &
Lake. Mr. Lake is a practical florist
and Mr. Stearns is a well known con-
tractor and business man.

La Crosse, Wis.—After conducting
fairs for fifty-two consecutive years at
West Salem, the La Crosse County
Agricultural and Horticultural Society
has disbanded and the property com-
prising twenty-three acres of ground
and numerous buildings has been sold.

Here It Is

As told in last week's issue of HORTICULTURE this little machine played an important part in the culture of the plants which, composed the Superb Orchid Group which won the \$1000 prize at Boston.

It is the Castle Automatic Circulator

It controls, equalizes and distributes the heat and is recognized by leading growers as an indispensable factor in successful hot water heating.



Ask the winners

The
Julius
Roehrs Co.

Or send to us for a list of the many Prominent Plant and Flower Growers who have installed this device and will gladly commend it to you.

Whatever troubles you may have had with your heating circulation can be completely overcome by installing this machine. It works automatically and requires no attention.

Send for descriptive circulars and testimonials. **DO IT NOW!**

W. W. CASTLE CO., Heating Engineers
170 Summer Street, Boston, Mass.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

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Main Office and Factories
CAMBRIDGE, MASS.

Pearson Street,
LONG ISLAND CITY, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

**Holds Glass
Firmly**
See the Point **AT**
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of
1000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St. Phila., Pa.

PATENTS GRANTED.

- 959,723. Grass Catching Device for Lawn Mowers. Henry Deck, Philadelphia, Pa.
959,749. Plant Support. Lewis W. Nied, Akron, Ohio.
959,960. Pipe Coupling. Olaf E. Oleson, Chicago, Ill.
960,134. Machine for Decorticating the Fibrous Leaves or Stems of Plants. Ernest Wright, Pinner, England.

Hunt's Spiked Cemetery Vase

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500 4 " " " "	4.50	48 10 " " " "	4.80
456 4 1/2 " " " "	5.24	24 11 " " " "	3.60
320 5 " " " "	4.51	24 12 " " " "	4.80
210 5 1/2 " " " "	3.78	12 14 " " " "	4.80
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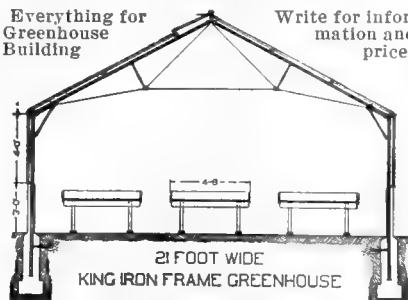
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HORTICULTURE

Vol. XI. JUNE 18, 1910 No. 25



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Notes From the Arnold Arboretum

The great mass of visitors to the Orchid Show held a few weeks ago here at Boston did not perhaps pay much attention to the extensive and interesting collection of trees and shrubs introduced from China by the Arnold Arboretum and shown by R. & J. Farquhar & Co. These plants mostly in a young state and not or only imperfectly in bloom could of course not compete with the gorgeous flowers of the orchids, but to the initiated they promise more for the future and will be of greater value to the nurseryman and florist than these splendid orchids, for many of them will finally find their way in every park and garden. Apparently the most attention was directed to some of the vines and particularly *Ampelopsis* or *Parthenocissus Henryana* with its beautifully marked foliage. In habit and foliage this plant much resembles the Virginia creeper but in regard to the color of its foliage it may be compared with the favorite greenhouse climber *Cissus discolor*. The leaves are dark velvety green on the upper surface with silvery markings along the midrib and the veins, the under side being more or less purple, particularly while the leaves are still young; in autumn the foliage changes to various shades of red with the silvery markings still preserved. It may also be used as a basket plant in the greenhouse or conservatory, as the Boston Ivy sometimes is, than which it is doubtless much more beautiful with its handsomely colored foliage.

Of another valuable new climber, *Clematis Armandi*, unfortunately only an inferior form was shown in bloom in the same exhibit and it should be understood that the species ought not be judged by that plant. A much finer form was exhibited early in spring, also by Messrs. Farquhar, at one of the smaller shows at Horticultural Hall. *Clematis Armandi* varies greatly in the size of its flowers which may attain two and a half inches in diameter and resemble in color, shape and time of flowering those of *C. montana*, but the foliage is evergreen, a new feature among our hardy *Clematis*, which makes *C. Armandi* a very desirable introduction. An illustration of this *Clematis* will be found in the issue of HORTICULTURE, March 12, on page 368.

Another exhibit at the Orchid Show which probably did not attract the attention it deserved, was the Cedars of Lebanon of which two fine plants about six feet high were shown by the Arnold Arboretum. These plants were raised from seed procured about six years ago by the Arnold Arboretum from the high mountains of Asia Minor, snow-clad during a large part of the year, the highest altitude where *Cedrus Libani* is known to exist. The plants have now stood without the slightest injury the last five winters in various exposures at the Arboretum, which gives us the assurance that we at last possess a race of that famous tree hardy in this latitude. Before this introduction, for which we are indebted to Prof. Sargent, *Cedrus Libani* could not be grown successfully in the northern Atlantic States. Every one who has admired the stately old Cedars in England or the climatically more favored regions of continental Europe, will rejoice in the thought that we shall in future be able to see this beautiful tree, to which its historic and religious associations lend an additional charm, growing in our parks.

A broad-leaved evergreen which ought to be better known is the Japanese Box-tree, *Buxus japonica*. It

has proved perfectly hardy at the Arboretum, hardier than the common Box and has the advantage of a handsomer foliage. The leaves are broader and of a bright pleasing green. As we have not too many broad-leaved evergreens hardy in this latitude and the shrub is easily propagated by cuttings, there is no reason why it should not be found in trade where it is at present hardly known.

It did not need a very trained eye to pick out among the Bush Honeysuckles flowering at the Arboretum the *Lonicera amoena* var. *Arnoldiana* as one of the handsomest and most graceful of all. It is a hybrid of *L. tatarica* and *L. Korolkowii* and originated only a few years ago at the Arboretum. When the slender branches, clothed with bluish green, rather small and narrow foliage, are covered with a multitude of light pink flowers borne on slender stalks well above the foliage, the shrub presents an exceedingly light and graceful appearance, which will make it one of the most favorite Honeysuckles when it is better known.

Alfred Rehder

Trans-Atlantic Notes

THE NETHERLANDS UNION FOR BULB GROWERS IN HAARLEM

Certificates of merit were awarded at the last meeting of the committees for narcissus and tulips to the following, viz.: Narcissus Glory of Wassenaar, a large yellow flower, wide when fully expanded, the perianth pale yellow, and darker corona; Narcissus Glory of Haarlem, having an erect golden yellow corona; Narcissus Chanticleer with a large citron corona of a light tint; and single flowering Tulip Oranjeboven, an early flowering variety of a deep reddish orange color, resembling Prince von Oesterreich.

HAEMANTHUS LESCRAUWAETHII

This bulbous plant, obtained by the Botanic Garden at Brussels from the Congo region a few years ago is one of the easiest to cultivate and flower. Even the smallest bulbs produce flowers. The color of the latter, their form and flower shaft have a similarity to *H. Katherinae*—a Natal species. From the readiness of the species to produce its flowers it is probable that by crossings with other species which flower but rarely under cultivation, varieties that flower with greater freedom will be obtained. To cultivate the plant, which does not become leafless, in the resting period, it will require a strong, rich soil, and a place in the temperate house. Thus writes B. Vogtlander in "Die Gartenwelt" for May 21st last.

Dr. R. Thiele who has recently returned from a scientific visit to East Africa of considerable duration, has succeeded Prof. Fesca in the school for Tropical plant culture at Witzenhausen on the Werra.

LIEGNITZ

A great Rose Show is to be held from June 25 to 28, at this town, and the Society of Rose Amateurs has issued the program for the sections, "Cut Blooms of Roses," and "Florists' Art with the Rose." One flower only of a variety may be shown in an exhibit, and it must be shown with its leaves. There are 46 competitive classes.

Friedrich Möwe

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A rose festival

Portland, Oregon, has just concluded a week of rose carnival. It is estimated that no less than 100,000 visitors flocked to the city and gave themselves over to the enjoyment of the spectacular event. The festival spirit was dominant everywhere. There were floats, electrical parades and pageants symbolical of the growth of the city and of the magnificent resources of the great "Golden West." There were naturally many features not even remotely connected with roses but the roses were there, too, and the advertising value of it all to the Queen of Flowers cannot be overestimated. It is asserted that since the Rose Festival movement was started three years ago there have been planted in Oregon gardens more than five million roses. That sounds good and we congratulate the people of Oregon on the fact. Developing a popular interest in gardening means refinement and does more for the advancement of horticulture than a lifetime of the black roses and other freak gimcracks which some communities are being taught to look upon as the standard of horticultural progress.

The orchid's future

The English correspondent of our New York contemporary writes of the waning of interest in orchids and is authority for the assertion that orchids over there "are done." The sale of the entire Rochford stock is put in evidence as proving the truth of the statement. This is certainly disquieting news, if true, but from what we have been told by a well informed English authority—one not in any way connected with the orchid business—we conclude that it is not borne out by the general facts. On the contrary, we are assured that there are not only no signs of diminution in orchid interest but that their culture continues to increase in all parts of that country. That the giving up of their orchid business by the Rochfords does not necessarily indicate a general decadence any more than the abandonment of rose culture as a specialty by any one of our large rose growers here would prove that the rose is losing caste in America, is something we like to believe. The orchid is possessed of qualities which assure it a unique and unassailable position in the floral kingdom for all time and we submit that our American horticulturists can with entire safety continue to extend its culture as a commercial proposition.

Where is the hitch?

Reading the oft-repeated tale of congested markets, over-production and slaughter prices in the wholesale flower markets of some of the most populous centres the question must suggest itself as to what is being done or can be done to provide a remedy for this unfortunate state of affairs. The regular retail distributors in these districts, it must be confessed, have proved entirely incapable of providing any adequate outlet for the product now at their disposal. The retailer naturally views with disapprobation the advent of the department store into the field of operation but suggests nothing in the way of an alternative promising a plausible remedy for the conditions existing. In the meantime the situation becomes worse each succeeding year. The great object to be sought is to get the big daily floral product effectually and inexpensively into the hands of the people. The man who must be the heaviest loser every day until this problem has been solved is the grower and he is the man who will have to tackle it eventually, beyond a doubt. Flowers need be a luxury no longer—they are plentiful enough at all seasons of the year and, *provided all are sold*, can be sold at a price within the reach of the humblest classes. The department store seems to be doing a good work in that it is calling the attention of the public to this fact.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Callas.

By this time the flowering period of this useful plant should be at an end. It is very important that the bulbs should be treated to a good period of rest, that they may have time to recuperate for another period of flowering. This can be done by laying the pots on their sides in some warm sunny position, and letting them rest until the end of July or up to the middle of August. If you want to increase your stock you can plant out a quantity of the small offsets or bulblets in some rich soil and they will increase surprisingly in size by the fall, when they can be carefully lifted so as not to injure the roots. If they are watered and shaded for a few days, they will grow quite fast and make good stock in time.

Fuchsias.

If you have not already selected some plants of all the varieties that are most desirable, you should lose no time in doing so. You can grow them on either under glass or outside so as to produce large plants for next winter's propagation. If grown on vigorously you will have fine wood matured by September. Then give them a rest of about six weeks in some cool house, and withhold water, that is to say, give them only enough to keep the wood from shriveling, and then you can start growth in a good brisk heat and you will have cuttings that will grow into fine flowering plants. But if you don't have well ripened wood to produce cuttings in the winter time you will never be successful in having good salable plants.

Lycastes.

Of the easily grown orchids none are more admired for their beauty than the lycastes. When growth begins they should have abundance of water. Even during its season of rest they should never be allowed to become too dry at the roots. They do well in pots or pans half-filled with clean pieces of broken crocks. They like a compost of live sphagnum and good fibrous peat and some broken charcoal. As with the greater number of epiphytes, moisture and heat afford all or nearly all the nourishment they require. The cool orchid house that is set apart for the accommodation of the many lovely mountain species from South America, will suit this genus. Among the numerous varieties *Lycaste Skinnerii* is undoubtedly the best bloomer. It lasts a long time in perfection if care is taken to keep the flowers from getting damp. *Lycaste cruenta* and *Harrisonia* are also very good.

Palms.

This is the season when palms make their best growth and the growers' chief aim now should be to have his palms which are used in decorations for various festive occasions in the best possible condition. Don't keep the glass too densely shaded, and guard against an over-stagnant humidity, which is only likely to occur at this season of the year and is bound to produce a soft and flabby growth. They should have on all favorable opportunities an abundance of ventilation. All bug or scale-ridden plants



EXHIBIT OF CUT ORCHIDS BY JOSEPH A. MANDA AT BOSTON ORCHID SHOW

should be given a thorough cleaning and if possible kept by themselves. Syringing should now be in order to prevent bug and scale from gaining a firm foothold. Palms that are excessively pot-bound should now be repotted—those of advanced age and young stock that may require it, thinning and spreading out the different sizes and grades so as to expose them to the wholesome available light and air. They should not be crowded into closely packed quarters now, while vegetation is so active. By frequent spreading out at intervals from now up to the fall, you will have your palms in good condition to meet any demand that may come your way.

Perennial Candytuft.

Iberis sempervirens and its varieties merit a place in all collections. They have an excellent constitution with free flowering qualities, surpassed by but a few border plants for covering spaces or planting on the front of a flower border. They are of easy cultivation and will grow in almost any soil. The flowers of *Iberis* Snowflake are individually large, of the purest white, and produced with the greatest freedom. When they have become well established a fine lot of bloom is the result. Now is a good time to increase your stock by taking cuttings, which root very easily if taken off at any time during the summer, and put in some frame where they can be kept close for a few days. Where there is trade for effective spring bedding, this plant will prove of a great value to any florist.

Sowing Fern Spores.

This is a very good time to make a beginning to replenish your fern stock, as ferns sell good in all sizes. It is remarkable how rapidly nearly all species grow into nice salable plants from spores. Most of all the popular ferns are usually thus increased. The spores should be sown in well-drained seed pans on the surface of a mixture of fibrous sifted

peat, loam, leaf mold and some sand. This soil should be firmly pressed and well watered, and then the spores should be scattered evenly over the soil and at once covered with a glass so as to prevent water or the dry air getting to the surface. When watering the pans they should be placed up to near the rim in a tub of water and left there till they absorb it to the surface. They should be placed in some desirable shady place. When the young plants can be handled, or rather lifted with the end of a pointed flat stick, they should be pricked out into well-drained pans filled with similar soil. What they will need then is a sufficient amount of moisture at their roots and the atmosphere should be kept moist also. As they become large enough, they can be potted into thumb or 2-inch pots.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on the following: *Asparagus Sprengeri*, *Bougainvilleas*, *Care of Planted and Plunged-Out Stock*, *Cinerarias*, *Pelargoniums*, *Poinsettias*.

WELL-KNOWN ESTATE CHANGES HANDS.

The estate of John H. Taylor at Bayside, New York, has been sold to the Draper Realty Co., a syndicate of which George O. Draper, cousin of Governor Draper of Massachusetts, is president, and Wm. McConnell, secretary. Mr. Taylor retains an interest as the second largest stockholder. It is the intention to develop the property as a high class residential district on the same lines as Tuxedo, under the supervision of Alfred S. G. Taylor, who is a graduate of Harvard and Columbia and Beaux Arts of Paris in landscape and general architecture. The well-known rose houses will be continued and will be remodelled and brought thoroughly up-to-date.

The property comprises over 300 acres. It has been in the hands of John H. Taylor since 1881 and of his family since 1863. Mr. Taylor and family sailed for an extended European tour, June 11, on S. S. Vaterland.

AMERICAN PEONY SOCIETY

Annual Meeting.

The annual meeting of the American Peony Society was held in the Trustees' Room, at Horticultural Hall, Boston, at 3 P. M., on June 14. President B. H. Farr opened the meeting with a few words of greeting and Secretary Fewkes followed with his report and that of the nomenclature committee by Pres. Farr. The officers of the present year were all re-elected to serve for another term and it was voted to meet next year at Philadelphia.

(The President's Address and report of nomenclature committee are in type and will appear shortly.—Ed.)

Secretary's Report.

The present membership of the Society includes fifty-two active and five honorary members. During the year we have lost one member by death, Thomas C. Thurlow of West Newbury, Mass., who passed away July 2, 1909. He was a charter member of the Society, taking great interest in all that pertained to it, and was one of the first to make a specialty of the peony in this country. In his death the Society has lost a valuable member and those of us who were privileged to know him intimately have lost an esteemed friend. Since the organization of the Society in 1903, we have lost by death three members and by withdrawals and those who have dropped out, twelve.

Starting with a mere handful of signers in 1902, the membership had increased to thirty-six during the year of organization, and notwithstanding these losses, has steadily grown to its present numbers. It is very encouraging to note that at least two of the members who dropped out have this year reinstated themselves, showing that the work accomplished by the Society has a substantial value; and that although they have been a long time in maturing the fruits of our labors are beginning to be available and all honor is due to those who have stood by and made it possible to accomplish these results. The way has not been altogether a smooth one and many obstacles have presented themselves, the most embarrassing of which has been the comparative smallness of our membership, which has necessarily limited our available funds, both for carrying on the nomenclature work and the payment of prize money to successful exhibitors.

The original membership was very largely composed of commercial men and included the greater part of the large dealers of the country. The number of these latter must necessarily be limited, and it is to the amateur class that we must look for future members and to which the commercial men must look for his most profitable business. The field is a large one and every member should feel it incumbent upon himself to use what influence he may have with such of these as he may come in contact with to interest them in our work and secure them as members. The circular sent out a short time ago was a move in this direction and was intended to help present the matter to the public. From the inception of our Society the interest has centered almost entirely upon the her-

baceous class of peonies—particularly the albiflora varieties. This in itself is not surprising as this class is by far the most common and easiest of cultivation, but the time must come when more thought will be given to the Moutan class, or tree peonies. In them we find an entirely different range of color, many of them being exquisitely beautiful in shade and texture. Preceding in their time of flowering as they do, the albiflora class, they widen the peony season very materially and add a peculiar charm to the garden. Undoubtedly the great reason for their scarcity is the impression which has gone forth that they are very difficult to cultivate. It is true they are slow in coming to perfection and that grafting must be resorted to to perpetuate the varieties, but where love and skill are bestowed upon them these difficulties fade away and the reward is a ravishing display of beauty that will repay all the time and care



B. H. FARR

President American Peony Society.

given them. Without doubt many will take exception to these statements, but in reply to them I would say, that to be convinced that what I have said is true they should visit the gardens of Prof. C. S. Sargent at Brookline, Mass., and see what can be done with the Moutan when its culture is made a specialty as it has been done there under the management of Mr. Charles Sander.

The exhibition in connection with the meeting at Queens last June was a fairly good one, and did much credit to the exhibitors who, though few in number, staged a large quantity of fine flowers. B. H. Farr, Geo. H. Peterson, S. G. Harris, T. A. Havemeyer and John Lewis Childs were the exhibitors.

Although the exhibition of cut blooms was a good one, the display in the fields proved the greater attraction, for it is seldom that such a magnificent display of flowers is to be seen. They were growing on perfectly level land in one immense block of about seven acres with rows five hundred

feet in length and offering an unusual opportunity for studying the individual characteristics of the varieties as well as the color effects in masses. The visiting members and friends feel deeply indebted to the Cottage Gardens Co. for the many courtesies shown them during the two days of the meeting, which was marred only by the unavoidable absence of Mr. Ward, our ex-president, and head of the Cottage Gardens establishment.

The Exhibition.

The exhibition in connection with that of the Massachusetts Horticultural Society comfortably filled the two large halls in Horticultural Building, the larger half of the show, however, being contributed by R. & J. Farquhar & Co., who had thousands of peonies effectively arranged, besides a miniature forest of foxgloves and other showy things. Outside of the Massachusetts displays, the only exhibits were from points in New York, Pennsylvania and New Jersey. E. J. Shaylor's group of peonies was excellent but not in competition. Taken all together the show was a splendid one in quantity and variety but the weather had interfered with the quality of the blooms which was not up to that of former exhibitions in this hall.

Following is the list of awards by the Massachusetts Horticultural Society.

Herbaceous Peonies.—Collection of thirty or more varieties, double, one flower of each: 1st, Mrs. James McKissock; 2nd, T. C. Thurlow's Sons Co. Collection of twelve named varieties, double, three flowers of each: 1st, G. H. Peterson; 2nd, Wm. Whitman; 3rd, Mrs. J. L. Gardner. Specimen bloom: G. H. Peterson, Mme. de Galban. Vase of blooms on long stems, arranged for effect in the society's large China vases: 2nd, Mrs. J. L. Gardner. Collection of six named double varieties, white, one flower of each: 3rd, T. C. Thurlow's Sons Co. Rose pink: 2nd, T. C. Thurlow's Sons Co. Red or crimson: 2nd, T. C. Thurlow's Sons Co. Vase of twenty-five blooms, double, white or blush: 1st, S. G. Harris; 2nd, Mrs. E. M. Gill; 3rd, B. H. Farr. Vase of twenty-five blooms, pink or rose: 1st, G. H. Peterson; 2nd, ditto; 3rd, Wm. Whitman. Vase of twenty-five blooms, red or crimson: 1st, G. H. Peterson; 2nd, ditto; 3rd, T. C. Thurlow's Sons Co. Vase of twenty-five blooms, any other color: 1st, T. C. Thurlow's Sons Co.; 2nd, Wm. Whitman. Collection of twelve named varieties, double, one flower of each, for non-commercial growers only: 1st, Wm. Whitman; 2nd, T. A. Havemeyer, gardener A. Lahodny; 3rd, Mrs. J. L. Gardner. Best display of peonies, arranged for decorative effect, to occupy a space not exceeding 100 sq. ft.: 1st, R. & J. Farquhar & Co.

Gratuities.—T. C. Thurlow's Sons Co., display of single peonies; Wm. Whitman, display of foxgloves, iris and peonies; Mrs. E. M. Gill, display of roses and peonies; Mrs. Frederick Ayer, Begonia Rex; Eastern Nurseries, display of herbaceous flowers; Blue Hill Nurseries, display of pyrethrums.

Silver Medals.—Mrs. Frederick Ayer, display of fuchsias; R. & J. Farquhar & Co., display of peonies and foxgloves; Walter Hunnewell, display of rhododendron blooms. 40 varieties; E. J. Shaylor, display of peonies.

Vote of Thanks.—Old Town Nurseries, iris Snow Queen; Joseph S. Chase, seedling peony.

ENGELMANN BOTANICAL CLUB.

The Engelmann Botanical Club held an important meeting on June 13 at the Missouri Botanical Gardens, St. Louis. The feature of the meeting was a paper by Dr. H. Von Schrenk, chairman of the Missouri Forestry Commission on Forestry in Missouri.

NEWS OF THE CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The announcement that the June meeting would be the last until next September, and that, in addition to business of immediate importance, Geo. V. Nash, of the N. Y. Botanical Garden, would give a talk on his travels in Hayti, with lantern slide illustrations induced a very creditable attendance at the Club meeting last Monday evening, there being no less than 85 members present.

The first business after the routine proceedings was the report on the proposed plant market by attorney Seibrecht, who stated that the committee had met the municipal committee that afternoon and that the case of the florists had been duly presented in remarks by himself and Messrs. Schultheis, Donaldson and Steinhoff, and arrangements had been made for a public hearing on Monday, June 20, at 3 p. m., in the Aldermanic Chamber at City Hall, to which everyone connected with the trade is invited to come and thus make a strong impression.

Transportation matters in connection with the Rochester Convention were discussed at length with the result that a preference, by a large majority, was recorded for the Lehigh Valley R. R. as the official route. A special train will be put on if 100 participants can be secured and a stop will be made at Glen Summit for lunch. A substantial sum was placed at the disposal of the transportation committee for refreshments on the way.

The committee on summer outing, July 28, was represented by its indefatigable and efficient chairman, Harry A. Bunyard, who sat at a special table and did a "land-office business." He informed the meeting that over \$350 has been contributed in special prizes for the occasion and a full schedule would shortly be issued.

President Miller called attention to the fact that the majority of the big prizes at the Boston Orchid Show were captured by members of the N. Y. Florists' Club. Mr. Schultheis remarked that it would be eminently proper to open the New York Flower Market with a big show. T. Mellstrom, a new member, being called upon made a fine speech and promised to be a faithful and industrious member. Committees were appointed as follows:—Advisory to Cornell Experiment Station, Messrs. James Dean, I. S. Hendrickson, J. H. Pepper, W. A. Manda and Benj. Hammond. Nominations:—C. B. Weathered, W. F. Sheridan, Patrick O'Mara, John Birnie, F. R. Pierson, Robt. E. Berry, F. H. Traendly. On proposed greenhouse at Cornell:—Messrs. O'Mara, Langjahr, Shaw, Weber, Dailedouze and Marshall. Vice-president Joseph Manda was given full charge of the Club's part in the Rochester bowling tournament.

Mr. Nash then proceeded to deliver his lecture on, "A Trip Through Hayti on Horseback." He gave much entertaining and instructive information concerning this "black republic," its scenery and products, its people and their customs, illustrated with numerous lantern slides and at its close was accorded a hearty vote of thanks.

The exhibits of the evening comprised some very fine *Cattleya Mendelii*, *gigas*, *Mossiae* and *Gaskelliana*, and *Vanda coerulea* from Harry Turner, Castle Gould; *Gladiolus Compacta*, Irene, Fantastic, Wm. Falconer, Little Blush and Dr. Hogg, from J. Lewis Childs and *Gardenia Veitchii* from A. J. Manda.

AMERICAN ROSE SOCIETY.

The time fixed by the by-laws for the annual change of officers of the American Rose Society is July 1st, but in practice it has been found advisable to make the formal change during the annual convention of the Society of American Florists and this year this will be held in Rochester at which time a regular meeting of the American Rose Society will be held. We at that time desire to start a list of special prizes for the coming great National Show at Boston.

Every special prize has been distributed. The man who carried off the largest number of prizes at the New York Show held in the American Museum of Natural History was H. C. Steinhoff, of West Hoboken, N. J. He took Mayor Breitmeyer's prize among other honors. The Dorrance trophy has been won only three times in ten years, first by Robert Simpson, of Clifton, N. J.; second by Poehlmann Bros. Co., of Morton Grove, Ill., and third by Benjamin Dorrance, of Dorranceton, Pa.

Among the school children who visited the last exhibition, after viewing the splendid showing of blooms in the vases, a group of lads came to the writer and asked this question, "Don't roses have roots?" "Why, yes," was the reply. "Well, none of these have any." This was a child born in New York City. A few days ago, two small girls had a bunch of sweet briars, and being asked where they got them, gave answer, "Over in your lot. Don't they smell sweet! Why don't tame roses smell as nice?" This is simply a bit of child life history, along the line of a—

"Rose for every home,
And a hush for every garden."

BENJAMIN HAMMOND, Sec'y.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

At the last meeting of this club, Mr. Thos. H. White of the State Agricultural College gave an interesting talk on fertilizers. He had a score of small bottles containing samples of various chemicals, labeled, showing the percentage each contained of different fertilizing elements, etc. Considerable discussion followed, in which the gardeners proved conclusively that they were somewhat wise regarding fertilizers. Richard Vincent, Jr., gave an informal idea of the program of the Maryland Horticultural Society for the summer outing meeting to be held at Berlin, Md., where the members will be entertained by Orlando Harrison on Thursday, July 28. In the evening of same date members will go to Ocean City, Md., and on morning of 29th an executive meeting of society will be held. The society is preparing for the best horticultural show ever had in the state.

AMERICAN GLADIOLUS SOCIETY.

The executive committee of the American Gladiolus Society have decided to keep the charter list open until the time of the Rochester meeting in August. Applications and inquiries are coming in daily and this will afford all ample opportunity to join in time for the Society's first exhibit which will take place at that time in connection with the Society of American Florists' annual exhibition. Already there has been contributed the following prizes to be contested for at our first show:

From W. W. Rawson & Co., Boston: Silver gilt medal for the best American seedling of gladiolus never before exhibited nor yet disseminated. This prize can be awarded if there is only one exhibit, but the exhibit must possess special merits.

Silver medal for the best collection of twenty-five varieties of gladioli, each variety to be represented by three spikes, size of flower, openness of form, color and number of flowers on a spike to be considered.

Silver medal for the most artistic basket of gladiolus America, judged for arrangement only.

Silver medal for ten spikes of the purest white gladioli.

Bronze medal for ten spikes of the best scarlet gladioli.

Peter Henderson & Co., New York City, have offered \$10 in gold for the best collection of twelve new gladioli not yet on the market; three spikes each to be exhibited.

Vaughan's Seed Store offer a silver medal for the best twenty-five spikes of gladiolus Mrs. Francis King.

To Gladiolus Exhibitors.

Will all who wish to exhibit at the American Gladiolus Society's first show in connection with the annual exhibition of the Society of American Florists, please communicate with me at once so that adequate space can be secured.

L. MERTON GAGE, Cor. Sec.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

The following additional prizes have been offered for the annual exhibition of our Society to be held in July:

Stumpp & Walter Co.'s Prize; for three vases of sweet peas, Spencer type. First prize, \$5.00; second, \$3.00; third, \$2.00.

J. M. Thorburn Co.'s Prize; for vase of pink sweet peas. First prize, \$5.00; second, \$3.00; third, \$2.00.

John Lewis Childs' Prize; for vase of white sweet peas. First prize, \$5.00; second, \$3.00; third, \$2.00.

Sutton & Sons' Prize (Reading, England). Cup, value \$25.00; for the best table of sweet peas to be arranged on a space 3 by 4 feet and not to exceed 3 feet in height.

We are now working on the final schedule and hope to have same ready in about two weeks. Concerns or individuals wishing to offer prizes for this exhibition, should immediately notify the secretary, Harry A. Bunyard, 342 W. 14th St., New York.

NEW JERSEY FLORICULTURAL SOCIETY.

The regular monthly meeting of the New Jersey Floricultural Society was held on June 10. The orchids from Lager & Hurrell, Joseph A. Manda and Wm. Runkle, gardener Dederich Kindsgrob were especially fine. Rose night was also observed, there being a grand display from the private estates in the Oranges. Mr. John R. Le Coent of Maplewood, N. J., donated to the Society a handsome silver cup. It will be competed for at their chrysanthemum show in November. A hearty vote of thanks was extended Mr. Le Coent. During the evening we were honored by a visit from Mayor Arthur B. Seymour, who complimented the Society upon the excellence of their exhibits. The Society is proud of the fact that five of their members carried off the principal prizes at the Boston Orchid Show. A standing vote of thanks was extended to them for the courage they displayed in going to Boston and cleaning up the boards. Henry Hurrell responded, saying: "I don't see why it is necessary for us to go to Boston for an orchid show; why can't we have one here in New York or New Jersey? There is a tremendous loss realized from shipping the flowers for so great a distance."

Joseph A. Manda replied in like manner and said there was no reason why the idea could not be successfully carried out. Ninety-five per cent of the exhibitors were Jerseymen and 90 per cent of the prizes were carried off by the growers from this state.

John J. Dervan, gardener for A. C. Von Gaasbeck, read a paper on "Growing Roses Under Glass," which was well received. He is a very successful rose grower. He recommended propagating about January 15th, using heel cuttings for that purpose, and when rooted using a mixture of one part manure to eight parts loam, potting them into 2-inch pots. For the next shift he uses 3-inch pots with a mixture of one part manure to six parts loam, finally putting them into 4-inch pots using one part manure to four parts loam. He advised planting about June 15th on raised benches, one part cow manure to three parts of good fresh loam, filling the benches two-thirds full and pressing same down hard. Before planting in benches he advised giving the houses a thorough cleaning and a good fumigating with hydro-cyanic acid.

The awards in competition for points were as follows:

Roses, S. M. and A. Colgate, gardener Wm. Reid, 95; A. B. Jenkins, gardener Albert F. Larson, 85; A. C. Von Gaasbeck, gardener John J. Dervan, 83; Thos. Edison, gardener Frank Drew, 80; Carnations, Chas. Hartway, gardener Max Schneider, 85; Wm. Reid, 83; John J. Dervan, 78. Flowering plant, William Reid, 95; John J. Dervan, 60. Foliage plant, William Reid, 85. Orchids, Lager & Hurrell, 98. Dederich Kindsgrob, 95.

Certificates were awarded as follows to exhibits not in competition for points: Certificates of merit to Joseph A. Manda for orchids, John J. Dervan and D. Kindsgrob for roses. Cultural certificates to Wm. Reid for roses, Chas. Ashmead for strawberries, Max Schneider for strawberries and cauliflower.

Fritz Beuglund, gardener for the Essex County Country Club showed gladioli and carnations.

The Society will not meet again until September.

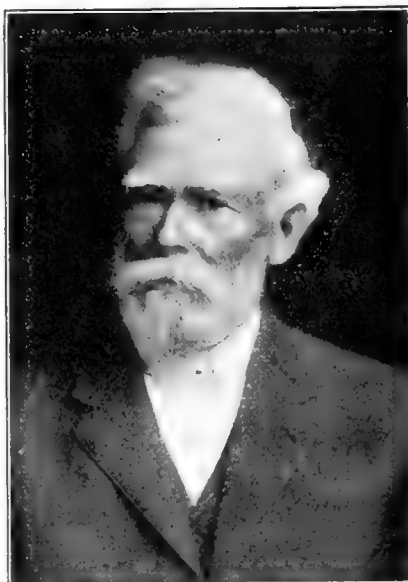
WM. REID, Sec.

AMERICAN ASSOCIATION OF NURSERYMEN.

The 35th annual meeting of the American Association of Nurserymen, was held in Denver, June 8th to 10th. This was a notable meeting of the horticultural clans gathered from the different parts of the United States—some from California. The place of meeting was so far from the great nurseries that the exhibits were not as large as they would have been in the heart of things, yet there was quite a show. J. F. Rosenfield, of Nebraska, exhibited some of his peonies. The Select Nursery, of York, Neb., showed some thirty sorts, also about twenty-five kinds of seedlings of very superior merit and very rich in colors, some showing exquisite tasselled centers. There was quite an exhibit of nursery stock also.

The forenoon of the 8th, was given to addresses of welcome and a happy response by Col. Watrous, of Iowa. Reports of various committees followed.

One of the most important topics was, "Crown Gall on Apple Tree



C. S. HARRISON.

The Grand Old Man of Nebraska.

Roots." Some states have legislated against such trees. They must not be received or planted. Peter Youngers, of Geneva, Nebraska, gave the results of his experience. Quite a number of those present had selected entire rows in orchards of trees, every one of them having knots, some of them of large size. Some of those present had selected entire orchards of these trees from rejected stock and they bore and grew as well as any. Specimens were shown of trees which had large knots when planted which had borne heavy crops. These were dug up and were exhibited at the meeting, the knots all eliminated. In short, these knots were often called warts, which is the proper name for them for they are no more contagious or deadly than those on the human body. One speaker suggested that it would be just as reasonable to kill a boy who had great warts on his hand, as to kill a tree because it had warts on its roots.

The program had been widely printed and was carried out with hardly a

miss. The writer gave his paper on "Herbaceous Plants," receiving a flattering ovation for it. (This paper is in type and will appear next week.—Ed.)

The meeting was called one of the best of the series. Friday was play day. The whole company were invited to an excursion up the Moffit R. R., and were hoisted up into an altitude of 11,060 feet above sea level, among the banks of perpetual snow.

The next convention is to be held in St. Louis. The following officers were selected for the coming year:

W. P. Stark, Louisiana, Mo., president; E. S. Walsh, Shenandoah, Iowa, vice-president; John Hall, Rochester, N. Y., secretary; C. L. Yates, of Rochester, treasurer. The executive committee: J. H. Dayton, Painesville, Ohio, chairman; H. B. Chase, Huntsville, Ala.; E. M. Sherman, Charles City, Iowa.

C. S. HARRISON, York, Neb.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual summer show of this Society was held at Pembroke Hall, Glen Cove, Wednesday, June 8th. Considering the season, the hall was well filled up and visitors were unanimous in their praises for the fine display. Messrs. Henry Turner, Walter Shaw and D. McFarlane acted as judges. Next meeting will be sweet pea night and several prizes are offered for best exhibits. List of awards was as follows:

Collection of T. and H. T. roses, G. Wilson Roslyn. Twelve distinct H. P. roses, G. Ashworth, Glen Cove. Second G. Wilson. Vase of H. P. roses, R. Marshall, Glen Cove. Vase of T. and H. T. roses, H. Gaut, Glen Cove.

Collection of Ramblers, H. Gaut. Collection of herbaceous flowers, J. Holloway, Glen Cove, with a very fine display of 59 var.; his exhibit of pinks, composing about 20 distinct varieties, made a most gorgeous display. Three vases of peonies, H. Gaut, 2d, J. Elmslee. Vase of peonies H. Gaut. Vase of snapdragons, H. Gaut. Vase delphiniums, J. Elmslee, Glen Cove. Collection of vegetables, 12 varieties, Fr. Petroccia, Glen Cove, 2d, I. McDonald; 3rd, G. Wilson. In the other vegetable and fruit classes, F. Petroccia, J. Reidenbach, G. Ashworth, D. Westerbe, O. E. Addor, G. Wilson, J. McDonald, V. Cleres, J. Dumbrosky and R. Marshall were severally the winners.

Cultural certificates was awarded to F. O. Johnson for roses, best blooms in the show, also to Julius Roehrs Co., for a splendid exhibit of orchids and to H. Fleishauer, Glen Cove, for roses, sweet peas and strawberries. Honorable mention to W. Ross, gardener to H. S. Phips, Jr., Roslyn, for two beautiful ferns, also vote of thanks for display of roses not entered for competition. Vote of thanks to V. Cleres for campanulas, E. Westerbe and Paul Reul for roses. The winners of the monthly prizes were G. Wilson for best Pteris, also for best Adiantum, J. McDonald for best Nephrolepis.

O. E. ADDOR, Cor. Secy.

CINCINNATI FLORISTS' SOCIETY.

A large and enthusiastic meeting of the Cincinnati Florists' Society was held at the Jabez Elliot Flower Market Monday, June 13. An outing committee was appointed, consisting of Max Rudolph, Wm. Murphy, Frank Dellar, C. E. Critchell and Gus Adrian; also nomination of officers took place at this meeting with the following result: C. E. Critchell and Gus Adrian were nominated as president, Wm. Murphy and Max Rudolph as vice-president, Albert Sunderbruch and Ed. Forter as treasurer, Henry Schwarz and Alex. Ostendarp as secretary.

CONNECTICUT HORTICULTURAL SOCIETY.

June 10th, the night for our regular meeting, proved to be too early for the exhibition of hardy roses, and hence the meeting was largely given up to the subject of peonies. Treasurer W. W. Hunt brought a splendid collection of blooms of twenty-four varieties, mostly of the Chinese type. The following varieties were represented: *Triomphe du Nord*, *Francois Ortegat*, *Mathilde*, *Queen Perfection*, *Louis Van Houtte*, *Rivitor*, *Albert Crousse*, *Marquis de Lory*, *Onivera*, *Victor Modeste*, *Deloioes*, *Plutarch*, *Grandiflora carnea plena*, *Artemise*, *Rubicanda*, *Caroline Mathieu*, *Queen Victoria*, *Canary Yellow*, *Madame Brion*, *Festiva Maxima*, *Single Pink Emma*, *Liliana*, *Perfection*, and *Humei*.

Mr. Hunt classes the above as among the best. Much valuable information was elicited from Mr. Hunt and President Huss regarding this popular and valuable flower. The latter spoke of its growing favor with the public, its freedom from disease and insects, and the usefulness of the leaves, after blooming time, in making up bouquets. Mr. Hunt was asked to name the best twelve varieties of peonies for a succession for home use; and he replied that it is difficult to do so because there are so many good varieties; but he promised to try to furnish such a list at a later date. The judges, Messrs. T. B. Brown of Windsor, John Gerard of New Britain, and Carl Peterson of West Hartford, awarded Mr. Hunt a diploma.

Our plans are rapidly being made for the two fall exhibitions at Hartford, one in September for dahlias, and one in early November for chrysanthemums. President Huss expects to leave us on July 7th for a visit of several months at his old home in Switzerland. Our best wishes will go with him for a safe, pleasant, and profitable journey.

Our next meeting, which will fall on the 24th inst., will be "Hardy Rose Night," and an address is expected from our former efficient secretary and now superintendent of Elizabeth Park, Hartford, Alex. Cumming, Jr.

GEORGE W. SMITH, Sec'y.

HUNTINGTON HORTICULTURAL AND AGRICULTURAL SOCIETY.

The June Rose and Strawberry exhibition of the Huntington (N. Y.) Horticultural and Agricultural Society was held June 9th. In number of entries this show exceeded former ones. The quality of exhibits was also excellent.

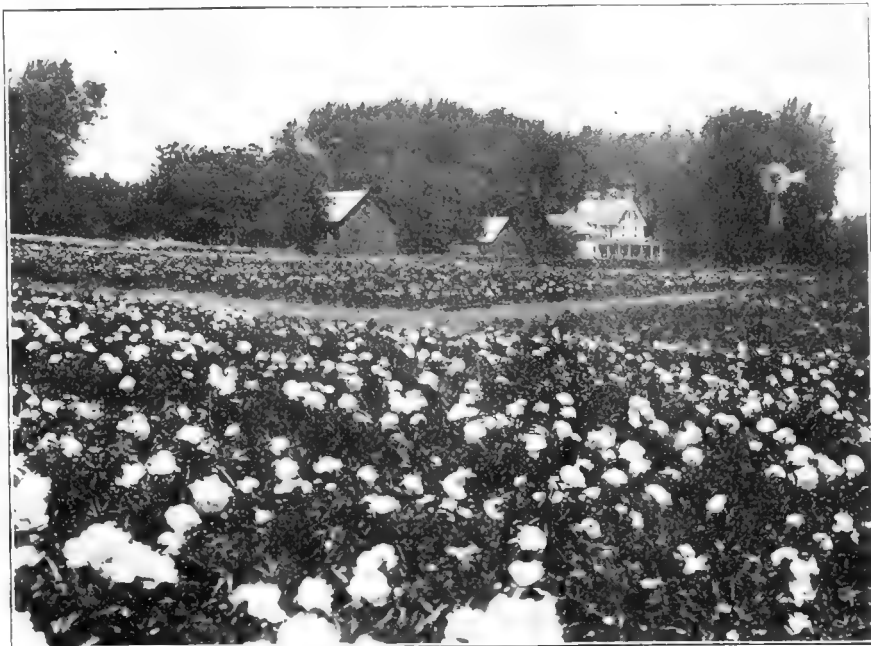
Besides strawberries and roses there were peonies, hardy herbaceous flowers and early vegetables.

The following won first prizes:

Robert Kelley, two for strawberries, two for roses, one for peonies; Miss Cornelia Prime, for strawberries; R. R. Conklin, gardener E. S. Smith, two for strawberries, two for roses, one for hardy flowers; John Andrews, for roses; Emmett Hawkins, for roses; Huntington Nursery Co., for climbing and moss roses and vase of hardy flowers; Mrs. Robert Stafford, collection early vegetables. The Huntington prize of five dollars for best rose in the show was won by R. R. Conklin, E. S. Smith gardener.

A. H. FUNNELL, Secretary.

PEONIES IN NEBRASKA.



Herewith appears a view of one corner of the peony fields of J. F. Rosenfield, at West Point, Neb. Mr. Rosenfield has ten acres devoted to peonies and has done much to popularize them in Nebraska and to impress upon the people of that section that the inclemency of their winters has no terrors for the peony. Between the 12th and 15th of April, this year, Mr. Ros-

enfield tells us there occurred the worst freezing spell ever seen there after April 1. Some of the peonies were then knee high, but most of them recovered from the shock and bloomed fine, as the picture shows. Nurserymen and florists should talk peonies incessantly to the public and especially in the colder sections, dwell upon this important quality of hardiness.

ST. LOUIS FLORISTS' CLUB.

The twenty-third anniversary meeting of the St. Louis Florists' Club was held last Thursday afternoon, June 9th. President Windler and his staff of officers succeeded in rounding up 50 members to attend the meeting and the trustees had arranged for a smoker and short talks.

The trustees reported that they had arranged to hold the annual picnic this year at Romona Park, on Thursday, July 21st. This is where the Club held their last year's outing and a more beautiful place could not have been selected. The sum of \$50 was donated for prizes. The Committee on Florists' Bulletin asked for more time, which was granted. It seems as though the members are becoming more enthused with the idea of a local bulletin and the chances are bright for an early issue of the Florists' Monthly Bulletin. The next talk was on S. A. F. convention transportation, and J. J. Beneke was appointed to look after this matter and report at the next meeting. Mr. Beneke read a paper on "Brotherly Love Among Florists," which caused much amusement during its reading, as did also the discussion that followed.

S. S. Skidelsky of Philadelphia, who was a visitor, followed with a good line of talk. Harry Balsley of Detroit, also a visitor, said he hoped the next S. A. F. convention would come to Detroit while Phil. Breitmeyer was still mayor. Others who spoke were J. F. Ammann, W. C. Young, E. W. Guy, H. S. Halsted, Frank Fillmore and Chas. Juengel—all ex-presidents.

A long discussion followed on the question of high prices for cut flowers

on Decoration Day. Retailer, wholesaler and grower each had their say. This will be continued in the July meeting. H. S. Halsted of Belleville showed some extra fine seedlings of zonal pelargonium *Queen of the West*, and W. J. Pilcher showed several vases of fine new varieties of sweet peas.

ST. LOUIS RETAIL FLORISTS' ASSOCIATION.

This association held its meeting on Monday, June 6, with a fairly good attendance, with President Sanders in the chair. The officers gave out nothing for publication, only that there was a discussion of the high prices at the wholesale houses at holidays and the alleged retailing of cut flowers by some of our wholesalers. A special meeting will be called shortly when some of these matters will be further considered.

CLUB AND SOCIETY NOTES.

At the regular meeting of the Florists' Club of Washington, which was held on June 7th, it was decided that the annual outing which generally takes place in July will not be given till August this year. The club had hoped to have it in June, but owing to the commencement rush it could not be. The matter will be taken up at the next meeting.

The Lady Florists' Home Circle of St. Louis enjoyed a visit to Chautauqua, Ill., on June 8th and 9th. Matters pertaining to the Ladies' Society of the S. A. F. were talked over. Mrs. Fred H. Meinhardt read a paper on "Wild Flowers." Mrs. John Steidle, president of the Circle, invited the members to hold their next meeting at her place in Central, Missouri, which was accepted.

ROYAL HORTICULTURAL SOCIETY

This society held its annual exhibition on May 24-26 in the gardens of the Inner Temple, London. The quality of the orchids was uniformly high, better, I take it, than on any previous occasion, and numerous departures in coloring and form, were remarked among the hybrids. In the collection of orchids shown by F. Mentieth Ogelvie, there were many conspicuously fine plants. A much admired specimen was the *Brasso-Laelio-Cattleya Veitchii*; another resplendent plant noted was *Brasso-Cattleya-Digbiano Mossiae*; and *Brasso-Cattleya Queen Alexandra*. There were many choice *Odontiodas*; the white flowered *Cattleya Dusseldorffii* Undine.

The Duke of Marlborough, gard. Mr. Hunter, exhibited many fine *Phalaenopsis*, *Cattleyas* Empress Frederick, L. C. Lord Rothschild, and various hybrids.

Sir Jeremiah Colman showed one of the best lots. I would mention *Stanhopea saccata*, *Odontoglossum Thomsonianum*, with dark purple flowers, some hybrid *odontoglossums*, including *O. Astarto* and *O. Duke of Cornwall*, etc. *Vandas*, *aerides* and *phalaenopsis*, were notable in a group sent by J. Talbot Clifton; especially fine being *Phalaenopsis Sumatrana*—a rare species with creamy white blooms. *Laelio-Cattleya Aphrodite* var *Mark Hambourg*, a large flowered variety with white petals and sepals, and bright crimson lip; *Cattleya Mossiae Reineckiana*—Hardy's variety, and *C. Lady Doorington* of the *Mendellii* section.

Sander & Sons had a large group, showing excellent quality, more especially *odontoglossums* and *miltonias*. Some rare and new Peruvian orchids were remarked, and among them a *Gongora*, a greenish *Mormodes* and *Lycaste Peruviana*. Great novelties of merit were observed in *Miltonia vexillaria Memoria Baron Schroeder*, and *Odontoglossum Memoria King Edward VII*.

Stuart Low & Co., showed a fine group in which were noted *cattleyas* and *dendrobiums* chiefly: *Phalaenopsis Rimestadiana*, *Cattleya Mossiae la Vierge*, and *C. M. Bush Hill* var, both white, and of fine quality. There were likewise observed in this exhibit *Cattleya Dusseldorffii Undine*, *Cattleya intermedia coerulea*, *Brassia brachiata major*, *Cymbidium Schroederi*, *Pleurothallis Birchenallii*, *Masdevallia O'Brieniana*, etc. Mansell & Hatcher had also a showy group. J. Veitch & Sons, Chelsea, showed their beautiful *Brasso-Laelio-Cattleya Veitchii*, one of the finest hybrids. The same may be said of L. C. Dominiana Langleyensis, etc.

First Class Certificates other than those named above, were awarded to *Cattleya Lawrenceana Mary Regina*, shown by Messrs. Charlesworth & Co., and the first pure white variety of this species. This firm received a like award for *Sobralia Charlesworthii*. M. Chas. Vuylsteke was awarded a first class certificate for *Odontioda King George V* (*Odontioda Vuylstekeae* X *Odontoglossum laudatum*). This remarkable hybrid was raised in Mr. Vuylsteke's nursery in Ghent. *Odontoglossum eximium Empress of India* (*O. crispum* X *O. ardeniense*) and *Cattleya Mendellii Princess Vic-*

toria, shown by Messrs Mansell & Hatcher received like honors.

Sander & Sons were awarded botanical certificates for *Lycaste Peruviana* and for *Bifrenaria bicornaria*.

Roses were extra good at this show. Messrs. Paul & Son made a marvelous display in the big marque with potted plants. I may specify the following, viz.: Paula, a yellow Tea, Mme. Segond-Weber, Mildred Grant, Harum, Jenny Gillemot, and Chateau de Clas Von Gerb, a dark, odoriferous flower. Hobbies, Ltd., made a good display with climbing varieties, and among them I observed the novel *Veitchenblau*; B. R. Cant & Sons, and F. Cant & Co., both exhibited *Ramblers* in quantity, the majority being of American origin, and but few that were new. G. Mount & Son, Canterbury, well maintained their reputation for good quality in roses.

Amaryllis (*Hippeastrum*) were finely shown by Robert Ker & Sons, in self crimsons and reds, also in feathered blooms with white grounds. Space admits of mention of but a few of the rare pink color, viz.: Pink Pearl and Rosy Belle. *Cinerarias* in many colors, *Streptocarpus*, *Schizanthus* and *Gloxinias* were ably shown by J. Carter & Co. J. Veitch & Sons showed numbers of *Streptocarpus* in heliotrope, rose pink, and white varieties; *Gerberas*, and a group of *Senecio auriculatissima* and *Notonia Grantii*. *Phyllocactus* were shown by H. Cannel & Sons, including P. German Empress, a flesh-colored variety. Messrs. W. Bull & Sons showed *Amaryllis*—nearly 100 plants—of which *Norah*, *Queen Mary*, *Sunbeam* and *Beryl* were of beautiful form and fine color. Hardy plants, Alpines, etc., were shown in abundance, sweet peas and tulips likewise; and the exhibits out of doors, such as azaleas, *rhododendrons*, ivies, *vitis*, *metrosideros*, pygmy trees, *violas*, and numerous examples of garden rockeries of very good design, were worthy of the occasion. F. MOORE.

PARIS SPRING SHOW.

We have in type a very interesting description of this great annual horticultural event from the pen of C. Harman Payne, for which we have not room this week, but which we hope to publish in our next issue. Floral Art was well exemplified in the department allotted to this work, in which the Parisian florists lead the world. Our cover illustration shows the exhibit of one of the most noted artists in France.

NEWS NOTES.

Hartford, Conn.—Mrs. Keep has purchased the greenhouses of Charles Mason.

Cleveland, Ohio.—A 100 foot greenhouse, to supplant the hotbeds now in use, will be built in Gordon Park.

Shawano, Wis.—Ed. Lenger has purchased a greenhouse here and expects to be ready for business in a short time.

Indianapolis, Ind.—Lester F. Benson has purchased the stock and fixtures of The Beecher Floral Co., at Cincinnati, and has moved same to Indianapolis.

Cincinnati, O.—Fred Bruegman has disposed of his interest in the firm of Edwards & Co., Newport, Ky., to his sister, Mrs. Edwards, and has accepted a position as salesman with Peter Olinger, 128 E. 3rd street.

SOME NOTABLE VISITORS.

We had the pleasure of meeting, on the evening previous to their departure for home, Dr. Frederick Keeble, editor of "The Gardeners' Chronicle" of England, and Mr. Leonard Sutton, of the firm of Sutton & Sons, Reading, England. These gentlemen have been visiting America as members of the Deputation to Universities of Canada and the United States, appointed by the Council of University College, Reading, England, to visit centres of agricultural education and research in America with the object of collecting information to be used in developing the efficiency of agricultural and horticultural education in Britain. The other members of the Deputation were Messrs. E. D. Mansfield of Trinity College, Oxford; W. M. Childs, Principal of Keeble College, Oxford; and R. V. O. Hart-Synnot, director of Department of Agriculture and Horticulture of University College, Reading. After meeting and talking with Dr. Keeble one can readily understand how under its present editorial control the time-honored Gardeners' Chronicle still retains its pre-eminence among the horticultural publications of the world. He is a young man of most engaging personality and convincing sincerity. We regret that the circumstances of this visit prevented him from any opportunity to inspect the great horticultural establishments of our country and make the acquaintance of our leading commercial men in the florist, nursery and seed trade and hope that he may, in the near future, be enabled to carry out his expressed intention to again visit us with this end in view. Mr. Sutton also expressed much pleasure regarding what he had been able to see in this, his second visit to America—the first having been some twenty years ago. He talks very entertainingly regarding the development in primula, chrysanthemums, cineraria and other florists' seeds for which his house has enjoyed a world-wide repute for so many years. Two older brothers, with Mr. Leonard Sutton and two younger members of the family constitute the firm of Sutton & Sons. The visitors sailed for England, Saturday, June 11, on the St. Louis.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the fern, "Nephrolepis Roosevelt," by The American Rose & Plant Co. of Springfield, Ohio, becomes complete. H. B. DORNER, Secretary. June 9, 1910.

NATIONAL FLOWER SHOW.

Contracts have been completed, approved by the general committee of the S. A. F. and duly signed for the lease of Mechanics Building, Boston, and installing Chester I. Campbell as general manager for the National Flower Show in March, 1911, under the direction of a Committee of Control consisting of the following members: F. R. Pierson, chairman; J. K. M. L. Farquhar, Patrick Welch, E. Allan Pierce and Thomas Roland. It was voted to issue at once a call for twenty per cent. payment on the guarantee fund.

Obituary.

M. Ernest Calvat.

American lovers of the chrysanthemum will learn with great regret of the sudden death of the most eminent of all the European seedling growers, M. Ernest Calvat, of Grenoble. We were made acquainted with the sad fact while away in Paris at the International Spring Show there, and it was unanimously agreed by chrysanthemum men and others alike, that European horticulture has suffered an irreparable loss.

Calvat was beyond doubt the greatest chrysanthemum seedling raiser that ever lived. He practically in a few years eclipsed every living rival by the extraordinary success that his novelties met with, which is all the more surprising when we remember that he began as a pure amateur. He literally burst upon the chrysanthemum world without warning, astonished all the old growers by his novelties which were an entirely new race and for many years held his own on the show tables of our exhibitions, from which his seedlings swept everything that had been grown a few years previously. His phenomenal success was without a record. It was sharp, decisive and revolutionary to a degree, and his fame is written in letters of gold in the annals of the chrysanthemum for all time. His first seedlings were sent out in 1891, in which year he exhibited them at a floral meeting of the National Chrysanthemum Society of London.

We well remember the intense curiosity with which the products of this then unknown grower were examined by the visitors and members of the committee and the cordial reception they met with. Mrs. C. Harman Payne and Comtesse de Galbert were both awarded first-class certificates and another called Exposition de Grenoble was commended. Then followed a grand rush for his novelties as they were sent out year by year, until they were almost universally grown the wide world over.

It would take up too much space to enumerate a list of his most famous flowers, but turning to his catalogues we are reminded of some of the most important. In 1892 he sent out *L'ami Etienne*, *L'Isere*, *Louise*, *Mme. Ed. Rey*, *Mlle. Therese Rey*, *Mrs. C. Harman Payne*, *Prefet Robert*, *President Borrel*, a fine lot out of many others. In 1893, his collection included, *Commandant Blusset*, *Mlle. Therese Panckoucke*, *M. Panckoucke*, *Souvenir de Petite Amie*, etc. The 1894 collection contained *Amiral Avellan*, *Le Meije*, *Le Colosse Grenoblois*, the famous *Mme. Carnot*, and others not now so well known. Among the best of 1895, there were *Boule d'Or*, *Le Moucherotte*, *M. Chenon de Leche*, *Reine d'Angleterre*, *Surprise*. The year 1896 saw the distribution of what he termed the "*Jubilee Set*," as a compliment to the English N. C. S., which in that year celebrated the 50th anniversary of its existence. Calvat's *Australian Gold*, *Mme. Gustave Henry*, *Mrs. J. Lewis*, *Ma Perfection*, were among them. The next year his famous green variety *Mme. Ed. Roger*, *Mme. Ferlat*, N. C. S.

Jubilee, *Topase Orientale*, *Mlle. Lucie Faure*, *Pres't Nonin*, and others, made their appearance and so we might go on enumerating flowers that have won high positions for themselves and redounded to the credit and renown of their raiser.

As we had the privilege of a personal acquaintance with our old and esteemed friend for many years, his loss comes with an unexpected blow. He was a most genial, courteous and agreeable French gentleman of the best type. He was partly educated in England and then returned to France, where he entered the glove making establishment of his father, a former mayor of Grenoble. On his father's retirement the subject of our notice became head of the firm and in his spare moments amused himself with gardening, roses being his first favorites. It was not till 1887 that the chrysanthemum attracted his attention, and then



M. EARNEST CALVAT.

everything else was discarded with the view of practicing a systematic cross-fertilization with the then known largest varieties, so as to obtain a new race of high-class show flowers. How he succeeded the world already knows.

On the Continent of Europe he was a frequent exhibitor at all the leading shows and received honors and awards innumerable. His groups of blooms were all composed of big, solid, massive Japanese or incurving Japanese, denoting high culture and were usually the sight of the show. We ourselves have seen them at places as widely apart as Lille, Paris, Tours, Caen, Lyons and elsewhere. In his own country he was *facile princeps* and only the last time we met him his kindly disposition manifested itself towards us in an unexpected way when our youngest boy at Vouvray made a childish remark that caused a hearty ripple of undisguised laughter from M. Calvat, who said, "I will name one of my new chrysanthemums after your little

son." And true to his word Alec Payne figures in this year's list of his novelties as a remembrance and in recognition of an amusing observation by a little English boy of five years of age when on a visit to France.

Calvat was only 58 years of age and might, had he been spared, still have accomplished much useful work. Personally and from a horticultural point of view we deplore his untimely end, for many years will come and go before the world shall see another to take his place. He was an Honorary Fellow of the N. C. S., a vice-president of the French Chrysanthemum Society, and president of the Grenoble Horticultural Society. He had received several honorary distinctions, viz., Commander of the *Merite Agricole*, Knight of the Order of the Crown of Italy. He was the holder also of a Tunisian order and officer of the French Academy.

We are sure that many of our readers will join with us in offering to his bereaved family the assurance of our profound sympathy and condolence with them in the great loss they have so unexpectedly sustained.

C. HARMAN PAYNE.

Frank De Witt.

Frank De Witt, a florist and gardener of 2285 Pitkin avenue, Brooklyn, N. Y., was drowned in the Bay near Freeport, L. I., June 9th.

James McNab.

James McNab, florist, of Catonsville, Md., a member of the Gardeners' and Florists' Club of Baltimore, died at Atlantic City, N. J., on June 13.

H. J. Billings.

H. J. Billings, florist, of Rockland, Me., died suddenly Sunday, June 5th. He had been ill but a few days and his death was a severe blow to his family, and caused deep sorrow to his many friends.

Frank Linowski.

Frank Linowski died at Bay City, Mich., Saturday, June 4th. Up to the time of his illness he had been employed for a long period of years by Boehringer Bros., florists, and had a large circle of acquaintances. He is survived by two brothers and one sister at whose home he died.

NEWS NOTES.

The Fernwood Nursery Co., of Stamford, Conn., have given up their office and salesroom at 50 W. 30 street, New York City.

Seitaro Aria, with five of his staff, have gone to the Loochoo Islands to inspect the bulb fields there. Loochoo longiflorums turned out very fine last year.

The hail and wind storm of Thursday, June 9th, did considerable damage to glass in the vicinity of St. Louis. Richard Frow and the Eggeling Floral Co., suffered most and some of the parks lost a few fine large trees.

Abington, Mass. —The selectmen have offered a reward for the apprehension of the person who destroyed a large amount of valuable shrubbery at the Bay State Nurseries, in the hope that the offender will be caught. Private citizens also stand ready to add to the reward.

CHICAGO NOTES.

Park Notes.

The severe frost and the backward spring have made it necessary to give the trees in the South Side parks some assistance, and an appropriation of \$20,000 was recently made to redress the top soil of the park. All over the city the trees show the injury done, and though most of them put out new leaves they are not as hardy as in other seasons and are constantly dropping.

Trade Items.

D. D. Johnson Co., manufacturers of the Evergreen Brand Fertilizers, are sending out a very attractive circular and will mail it upon request.

One of the Wittbold Watering Systems was recently installed in Ocoee, Fla. Mr. Nehrling, the owner of the greenhouses, writes that he is greatly pleased with its working. Sales of this system have been unusually heavy this year.

Among the Retailers.

Strail & Hahn had a simple and dainty decoration for a home wedding this week. A bank of palms and ferns furnished the background and two tall vases of Easter lilies marked the spot where the bridal party stood. The tables were done in white peas and corn flower, and the effect was very striking as well as beautiful.

Some of the retailers are reporting business as rather quiet this week. It is looked upon as the lull before the storm—of commencement orders. The first and the last weeks of June now seem to be preferred for weddings. A. Lange states that he has been in the florists' business twenty-nine years in various capacities, but that he never knew so busy a June before.

Mangel's window was made attractive last week by means of a sloping moss-covered bank, at the foot of which was a pool of water in which a dozen ducklings were playing among ferns. The construction of the window is particularly adapted to the arrangement as it brings the ducks very near the feet of the passers-by. A 20-foot dinner table, laid for forty guests at Hinsdale, Ill., was done by Mangel in an exceedingly attractive manner. The work required the use of 1000 Killarney roses and asparagus. A 4-foot vase of roses occupied the center and from it extended long graceful garlands supported by hidden rods fastened to the top of the vase, and the result was very unique and effective.

Personal.

Mrs. E. H. Hunt left June 17th for a two months' stay in the Catskill's.

August Dressel, of Crown Point, Ind., an old-time Chicago florist, is calling on his friends and reports a good season's business.

O. C. Chambers, as assistant bookkeeper, has been added to E. H. Hunt's office force, made necessary by the extra heavy rush of business in the supply department. Their orders this spring have included points in Mexico, the Philippines and Germany.

Among the visitors this week are Sam and William Graff, old-time Chicagoans. The former is now operating two retail stores in Seattle, Wash., which city he thinks has a great future, and the latter is located in Columbus, Ohio.

A great surprise was in store for

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

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Assorted Varieties

From 2 inch pots, \$3.50 per 100; \$30.00 per 1000

FRANK OEGHSLIN

the employees of The Alpha Floral Co. last week when Lillian Hogren, who has long served over the office as cashier and bookkeeper, announced her marriage last August to Harold Sriver. Mrs. Sriver still continues to hold her position at the Alpha.

Visitors: N. B. Stover, Grand Rapids, Mich.; August Dressel, Crown Point, Ind.; Geo. Schmidt, Tuscola, Ill.

PERSONAL.

Hugh Cody has resigned his position with Edgar Bros., Waverly, Mass.

Frank Riley has left the employ of the Iowa Floral Co., Des Moines, Ia.

J. Harper Hetherington is now with F. H. Kramer, Washington, D. C. He was formerly with H. H. Battles, of Philadelphia.

Boston, Mass. — George Wright Hinckley and Miss Mary Florence Pettigrew, daughter of Mr. and Mrs. John A. Pettigrew, are to be married June 18th.

J. C. Elliott, head gardener on the estate of W. J. Chalmers, Williams Bay, Wis., has recently resigned the position and will take a several months' trip to Europe.

L. P. Jensen, gardener to the Busch Estate, at St. Louis, returned home last week from New York, where he had been superintending landscape work for Mr. Adolphus Busch on his estate on the Hudson River.

The family of Whitman C. Rowley are anxious to have him located, as he left Fort Russell, Wyoming, March 31st, appearing to be mentally deranged. The Denver police have been asked to make a search for him, as he is believed to be in that city.

Boston visitors: F. H. Moore and daughter, Chatham, N. J.; B. H. Farr, Reading, Pa.; Geo. H. Peterson, Fair Lawn, N. J.; J. J. Styer, Concordville,

Pa.; Albert Lahodny, Hempstead, L. I., N. Y.; Jas. Dauphin, Queens, N. Y.; L. D. Batchelor, Ithaca, N. Y.; Prof. A. P. Saunders, Hamilton College, Clinton, N. Y.; A. F. Faulkner, New York; W. J. Bean, Kew Gardens, London, Eng.

New York visitors: J. K. M. L. Farquhar, Boston, Mass.; J. T. Butterworth, So. Framingham, Mass.; G. L. Freeman, Fall River, Mass.; Ernest Lenker, Leipzig, Germany; Wm. Jurgens, Newport, R. I.

WASHINGTON PERSONALS.

E. M. Byrnes of the U. S. Agricultural Department is off on a ten days' leave of absence.

Jas. L. Carbery has accepted a permanent position with the Department of Agriculture at Washington.

JOSEPH HEACOCK, Wyncote, Pa.

GROWER OF FINE

KENTIAS

Send for Price List.

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ROSES, PALMS,

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THE YOKOHAMA NURSERY CO. NEW YORK.
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LILIES
PLANTS
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Tuesday, June 21, At Noon

Consisting of a fine collection of foliage plants from well known growers. It's a grand opportunity; take advantage of it.

It will not repeat itself.

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BOSTONIENSIS. We have a splendid lot of large specimen plants in 12-in. pots, at from \$5.00 to \$7.50 each; 6-in. at 50c. each.

ELEGANTISSIMA IMPROVED. The finest of this type, never

reverting to the Boston type. Fine plants, 2½-in. pots, \$10.00 per 100; 4-in., 25c. each; 6-in., 50c. each; 8-in., \$1.00 each.

SUPERBISSIMA. Extra heavy plants, 4-in. pots, 25c. each; 6-in. 50c. each; 8-in., \$1.00 each.

BEDDING STOCK

	Per 100
Abutilon Savitzi, 2½-in. pots.....	\$4.00
Acalypha Musaica, 2½-in. pots.....	6.00
Ageratum, three sorts, 2½-in. pots.....	3.00
Alternantheras, three sorts, 2½-in. pots.....	3.00
Alyssum, Sweet, 2½-in. pots.....	3.00
Asters, assorted, 2½-in. pots.....	3.00
Cannas, finest sorts,—Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier, and Florence Vaughan,—strong plants, 3½-in. pots.....	6.00
Cobaea scandens, 2½-in. pots.....	4.00
Coleus—Golden Bedder, Verschaffeltii, and assorted, 2½-in. pots.....	3.00

	Per 100
Crotons, assorted, 3½-in. pots.....	25.00
Geraniums—Dbl. assorted and Rose,—3½-in. pots.....	8.00
Geraniums—Mme. Sallerol, 2½-in. pots.....	5.00
Heliotrope, 2½-in. pots.....	3.00
Moonflower, 2½-in. pots.....	4.00
Nasturtiums, assorted, fine, 3-in. pots.....	4.00
Petunias, 2½-in. pots.....	4.00
Salvia splendens, 2½-in. pots.....	3.00
Vinca variegata, 3½-in. pots.....	8.00
Hydrangea Otaksa, 4-in. pots, in bud and bloom, one bloom per plant, \$1.50 per dozen.....	
Egg Plants, New York Improved.....	4.00

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PINTS—65c.

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Aphine Manufacturing Company

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Rose Novelty
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Send for description and price.

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The best cuttings that can be had, and at right prices.

Now booking orders for early delivery.

	Per 100	Per 1000		Per 100	Per 1000
WHITE			YELLOW		
Oct. Frost.....	\$2.00	\$15.00	Monrovia.....	\$2.00	\$15.00
Touset.....	2.00	15.00	Oct. Sunshine....	2.00	15.00
Wanamaker.....	2.00	15.00	Appleton.....	2.00	15.00
White Cloud.....	2.00	15.00	Y. Eaton.....	2.50	20.00
PINK			Halliday.....	2.00	15.00
Balfour.....	2.00	15.00			

Carnation cuttings in best varieties, also, BEACON one of our best.

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

Prices Quoted in these columns are for Dealers Only. When writing to Advertisers please mention HORTICULTURE

Seed Trade

Crop Notes on Corn, Peas and Beans.

Reports concerning crops, while not alarming, are not altogether satisfactory. The corn crop in the West is said to be in an unsatisfactory condition and a large percentage of re-planting will be necessary. Anyone can appreciate that corn planted at this late date will have a hard struggle to mature before frost overtakes it. This applies to sugar corn equally with field corn. Conditions are somewhat better in the East, but not wholly satisfactory. Doubtless within the next two weeks the situation will develop to a point where we can get something of a line on the probable crop. Peas at this time are looking fairly well, excepting on low ground, where they are turning yellow, due to the excessive rain. No very serious damage has yet been done, however, and should conditions be favorable from now until harvest, there is no reason why we should not have a good pea crop. Beans are being planted rather late as it was impracticable to get on the ground earlier, on account of the rain. Those which were planted early have not fared well, excepting where the ground was high and gravelly. It has been rather cold and germination has not been of the best. However, little or nothing can be said as to the probable bean crop. This will develop later.

Market Prices of Cannery Peas.

In last week's issue, it was stated that peas were selling at a rather low figure in Baltimore and Washington, but we learn that this information was not altogether correct, and that within the past ten days there has been a decided improvement in prices as many of the Maryland-grown peas have been shipped to Chicago and Pittsburgh because of the scarcity in sections tributary to these markets. It is reported that the canning of peas in Baltimore is proceeding under difficulties due to the high price of the materials, and that the pack there will be light. It is generally believed that the total pack in both Maryland and Delaware this year will be rather below normal. This will be appreciated by our canning friends, as it will help to make the price more satisfactory to them than it has been for the last two or three years. According to reports, which are generally believed to be reliable, some twenty pea packing concerns throughout the country will not operate this year, which will doubtless have a material effect on the volume of goods packed.

European Seed Crops.

Such information affecting European seed crops as has come to hand, does not show any improvement over conditions previously reported, and it now looks as if a number of varieties of cabbage will be very short, particularly the Danish Ballhead and Hollander. A considerable crop of these varieties was expected from Long Island this year, but reports from that district indicate that the crop of these varieties will be almost a failure, and as it was known that the European crops would be very short, this simply aggravates a bad condition. It looks

Michell's Giant Strain Primrose and Cineraria Seed

PRIMULA CHINENSIS

We have a very choice strain of Primula, which is grown for us by the leading Primula Specialists in England and Germany. Flowers of extra large size, and beautifully fringed.

	½ Trade Pkt.	Trade Pkt.		½ Trade Pkt.	Trade Pkt.
Alba Magnifica. White..	\$0.60	\$1.00	Kermesina Splendens.		
Chiswick Red. Brilliant			Crimson .....	.60	1.00
Red .....	.60	1.00	Rosy Morn. Pink.....	.60	1.00
Holborn Blue.....	.60	1.00	Michell's Prize Mixture..	.60	1.00

CINERARIA

The Cineraria seed offered by us is the best procurable. Immense trusses of the largest flowers are produced. Our strains have been awarded numerous First Prizes.

	½ Trade Pkt.	Trade Pkt.		½ Trade Pkt.	Trade Pkt.
Grandiflora Prize Dwarf.			James' Giant Strain.		
Mixed	\$0.60	\$1.00	Mixed60	1.00
Grandiflora Prize Medium Tall. Mixed.....	.60	1.00	Hybrida Choice Mixed...	.30	.50

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PHILADELPHIA

very much as if the high prices of last year would be duplicated, if indeed they are not higher. Taken altogether, the present crop situation is not very satisfactory from the seedsmen's point of view, but as indicated, there is time for a very material improvement in annuals; as to biennials, however, there is not much chance for any great improvement over present conditions.

The Convention.

Before the next issue of HORTICULTURE, the Seedsmen's Convention of 1910 will be a thing of the past, and we hope that we shall be able to chronicle good things about it. If the weather is favorable and the attendance what it is hoped it will be, there seems no reason why this convention should not be one of the best, if not the best, ever held. Certainly there can be few more attractive spots for the seedsmen after a strenuous season than Atlantic City, and it is generally believed that they will turn out in liberal numbers. Doubtless there will be a number of applications for membership in the Association this year, and it is hoped that the committees on membership will decide each case strictly on its merits. Personal prejudice should not be permitted to have any influence here.

Grass Seed Prospects in Europe.

Messrs. Barenburg, Burgers & Co. report under date of June 7, that weather so far has been nearly perfect for all the varieties of fancy grasses, and that everything is looking splendid. If this condition continues until harvesting time there will be bumper crops—and the high prices of the last three seasons will disappear. This will be welcomed by the seedsmen who make a specialty of lawn and pasture mixtures—allowing their profits to get back to normal level.

Notes.

Brady, Tex.—The large seed house of the Brady Cotton Oil Co. was blown down on the night of June 5th by the heavy wind storm which affected telegraph and telephone wires all through this section.

Mr. and Mrs. Watson S. Woodruff have sailed for Europe, as has also S. F. Willard and Walter P. Stokes.

These three gentlemen will be missed at the convention, but their many friends will wish them a pleasant, and, we may add, profitable trip.

Edward Chas. Dungan, formerly with Wm. Henry Maule, and now president of J. F. Noll & Co., Inc., of Newark, N. J., was married on the 15th to Miss Jennie M. Perry at Philadelphia, and the pair are now on their honeymoon. We welcome Mr. Dungan to the ancient and more or less honorable order of benedicts and believe that a gentleman of his quiet domestic tastes will find married life very much to his liking. Mr. Dungan has given this matter several years of careful thought, and it therefore cannot be said that it was a marriage in haste. Let us wish him well, as well as his charming bride, with many years of happiness, and as a recent saying is, "May their troubles be mainly little ones."

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Per 100 Per 1000

CABBAGE—All Head Succession, Second Early, Early Summer, Flat Dutch, Surehead Danish Round and Ball Head 20c. \$1.00
10,000 and over 8c. per 1,000

Egg Plants—Black Beauty and New York Improved 40c. 2.00

PEPPERS—Pall Nose, Ruby King and Sweet Mountain 40c. 2.00

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Hyacinths White Roman, Etc.

Narcissus Grandiflora P. W., Trumpet Major, Etc.

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Etc., Etc., Etc.

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BEANS, PEAS, SWEET CORN, ONION, GARDEN SEEDS

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Flower Seeds, Market Garden
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Tuberose, Dahlias, Gladioli,
Small Fruits.

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FOR THE
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Primula Obconica Grandiflora, as:
Carmine, Pink, White, Mixed Hybrids,
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Pkts., \$2.50.

Primula Chinensis Fimbriata Grandi-
flora, Blood-red, Pink, White, Finest
Mixture, each separate Tr. Pkt., 50c.
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O. V. Zangen, Seedsman, Hoboken, N. J.

DON'T FORGET

to give us a trial on Asters, Mignon-
ette, Begonia Vernon, Cineraria, Primu-
la Chinensis, Primula Obconica, Salvia
Bonfire, Salvia Splendens, Verbena,
Cyclamen and Pansy Seed. The two
latter items ready July and August.

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Bulbs*

We are booking orders now for Harrisii and Formosum
and other Japan Lilies, also Roman Hyacinths and
Paper White Narcissus.

French Grown Pansy Seed
at reduced prices

	Per oz.
Snow Queen.....	\$.75
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Masterpiece.....	1.00
Fire King.....	.60
Emperor William.....	.60
Fairy Queen.....	.50
Peacock.....	.60
Bugnot.....	1.50
Yellow Trimardeau.....	.75
White Trimardeau.....	.75

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Pea Seed is being mailed. If you have not
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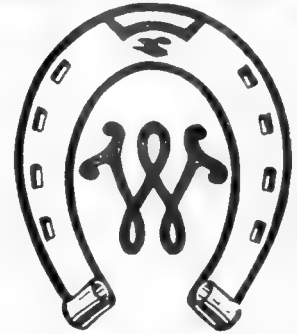
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are the wonder and admiration of a
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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

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Of Interest to Retail Florists

A miniature pond, in which a number of ducklings sport about among the pond lilies, is a center of attraction this month in the show window of J. H. Small & Sons, on Broadway, New York.

Satisfactory June business up to the present time is reported from the Hartford (Conn.) florists and local stock is of good quality all along the line. P. F. Potter's delivery boys are out with handsome blue uniforms—a good business advertisement.

With the passing of a
DETROIT very busy week in wedding and commencement work, we look back to some very pretty decorations which have been produced at some of these occasions. Only during the last few days has been a dangerous accumulation of carnations. Iris and gladioli are not in the

STEAMER DEPARTURES

Allan.	
Numidian, Boston-Glasgow..	June 4
Atlantic Transport.	
Minneapolis, N. Y.-London...	June 18
Minnetonka, N. Y.-London...	June 25
Cunard.	
Saxonia, Boston-Liverpool...	June 21
Mauretania, N. Y.-Liverpool...	June 22
Carmania, N. Y.-Liverpool...	June 25
French.	
La Lorraine, N. Y.-Havre...	June 23
Hamburg-American.	
Cleveland, N. Y.-Hamburg...	June 18
Graf Wld's's'e, N. Y.-Hamb'g...	June 23
K. A. Victoria, N. Y.-Hamb'g...	June 25
Leyland.	
Winifredian, Boston-Liverp'l...	June 18
Canadian, Boston-Liverpool...	June 22
North German Lloyd.	
Koenig Albert, N. Y.-Med't'n...	June 18
K. Cecilie, N. Y.-Bremen...	June 21
K. Wilhelm, N. Y.-Bremen...	June 28
Red Star.	
Lapland, N. Y.-Antwerp...	June 18
Kroonland, N. Y.-Antwerp...	June 25
White Star.	
Celtic, N. Y.-Liverpool...	June 18
Cedric, N. Y.-Liverpool...	June 25
Majestic, N. Y.-Shampton...	June 22
Romanic, Boston-Med't'n...	June 25
Zeeland, Boston-Liverpool...	June 28

avored class at all, but many orders are lost for the lack of peonies, and it will be a week yet before they are plentiful. Cape flowers appear to be greater favorites than in former years and large quantities are used as corsages and in wreaths. The annual excursion of the Board of Commerce called for several hundred Beauties and a couple of loads of plants which were used to decorate the boat and some staterooms.

NEW FLOWER STORES.

Chicago, Ill.—Jesselson & Wiener, 623 West 63rd street.

Youngstown, O.—William A. Wittmann, 47 Phelps street.

Greenfield, Mass.—F. J. Yettes, florist, will occupy the store in Sheldon Block on Main street, which is now being remodeled.

Richmond, Va.—Ratliffe & Tanner are remodelling their store, 25 West Broad street and are occupying 23 West Broad street temporarily. It is expected that their store will be completed about September 1st.

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor.

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For Dayton, Ohio and Vicinity.

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GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

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Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
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Mention Horticulture when you write

New York, N. Y.—Gretsch & Ordenez Bros. is the title of the new firm which will do business at 52 W. 28th street. The Ordenez Bros. are growers and importers of orchids and have a greenhouse plant at Madison, N. J. Mr. Gretsch has been located for some time at the above address.

"PITY 'TIS, 'TIS TRUE."



First Dude—"I am going to run over Florist (in back ground)—"So could I

to London for the summer, etc., etc." if you paid me what you owe."

THE RESUSCITATION OF OTTO.

Horticulture Publishing Co.,
Boston, Mass.,

Gentlemen:—Under Chicago Notes in the HORTICULTURE, page 872, we read that Otto Freeze has resigned his position with the Poehlmann Bros. Co. This is incorrect. You can enter the following statement in the next week's issue:

Owing to the large number and size of orders which came into Poehlmann Bros., Decoration Day week, Otto Freeze got nervous, and when John Poehlmann issued orders to buy all the good carnations in the market, he collapsed and had to go home, this bringing August Poehlmann into action at the store. It kept twenty-three men busy at the store to look after and attend to the cut-flower shipments, telegrams coming in bunches of six at a time. Otto is back with his coat off, hustling as usual.

Kindly give this your attention, and oblige,

Yours truly,

POEHLMANN BROS. CO.

NEWS NOTES.

Spokane, Wash.—The Rose Floral Co. has gone out of business.

East Palestine, O.—J. Faulkner is starting a florist business here.

Newport, R. I.—Joseph Leikens has opened his store on Bellevue avenue for the season.

Providence, R. I.—John M. Green has given up the branch store at 218 Cranston street which he opened recently.

Terre Haute, Ind.—N. B. Stover has recently severed his connection with the Grand Rapids Greenhouse Co. of Grand Rapids, Mich., and purchased the store business of Otto Heinel, Terre Haute, taking possession July 1st. Mr. Stover has had many years' experience in Grand Rapids and also at Youngstown, O., and Richmond, Ind. His new venture will be conducted under the name of N. B. & C. Stover Co.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMulkin, 194 Boylston St.
 Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Colo.—Park Floral Co., 1706 Broadway.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Falmouth, Mass.—H. V. Lawrence.
 Kansas City, Mo.—Samuel Murray, 1071 Broadway.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 Fifth Ave.
 New York—Young & Nugent, 42 W. 28th St.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 Toledo, Ohio—George A. Heinel.
 Toronto, Can.—J. H. Dunlop, 96 Young St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Talby.

NEWS NOTES.

Providence, R. I.—Otto Hassert, formerly employed by T. O'Connor, has purchased the business of James Crawshaw, Plainfield street, and will carry on a wholesale business in florists' supplies, making a specialty of all kinds of greens.

Houston, Tex.—The florist business of Wm. Kutschbach has been purchased by Henry Kuhlman. The store, 913 Main street, two blocks at 2526 Washington street and 20 acres of land at Houston Heights are all included in this purchase. Mr. Kuhlman plans to organize a company and combine his business at 1703 McGowen avenue and his recent purchases under one management. The business will be known temporarily as the Kutschbach Floral Co.

EARLY CLOSING

Commencing June 20th, will close daily at
6 P. M.

ROSE PLANTS

Maids, 3 1-2 in. pots, \$7.00 per 100 Brides, 3 in. pots, \$6.00 per 100
Richmond, 3 in. pots, \$6.00 per 100
Prompt Delivery. Stock Guaranteed

Business Hours 7 a.m. to 6 P.M.

LEO NIESSEN CO.
WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

**To Cut Flower Growers and
Retail Florists**

IF YOU

want to find a market for your
product

want a regular or special supply
of the product of the best
growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality—Any Quantity

W. E. McKISSICK & BROS., Wholesale
Florists

1619-1621 Ranstead St., Philadelphia



CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., Chicago.

Seedsman, Plantsmen, Nurserymen
Florists' Supplies

We can supply everything used by the
Florist. SUPPLY CATALOG FREE. Cor-
respondence solicited.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
your orders to your satisfaction. A full line of
Hardy Greens - WILD SMILAX, BOXWOOD,
HARDY FANCY FERNS, GALAX LEAVES.
Write for quotations on large quantities.

In ordering goods please add "I saw
it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	June 14		June 14		June 14		June 16	
ROSES								
Am. Beauty, Fancy and Special...	20.00	to 25.00	30.00	to 35.00	20.00	to 25.00	18.00	to 25.00
" Extra	15.00	to 20.00	25.00	to 30.00	12.50	to 15.00	12.00	to 15.00
" No. 1	10.00	to 15.00	15.00	to 25.00	8.00	to 10.00	8.00	to 10.00
" Lower grades	5.00	to 10.00	8.00	to 15.00	3.00	to 5.00	1.00	to 6.00
Bride, 'Maid, Chateaux, F. & S.	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	5.00	to 8.00
" Lower grades	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00	.50	to 2.00
Killarney, My Maryland, Fan. & Sp.	5.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	6.00	to 8.00	3.00	to 4.00	1.00	to 3.00
Richmond, Fancy & Special	5.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 8.00
" Lower grades	2.00	to 4.00	6.00	to 8.00	3.00	to 4.00	1.00	to 3.00
Kaiserin, Carnot, Fancy and Sp.	5.00	to 8.00	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00
" Lower Grades	3.00	to 5.00	4.00	to 6.00	3.00	to 5.00	2.00	to 4.00
CARNATIONS, Nov. and Feb.								
" Ordinary	1.00	to 2.00	3.00	to 4.50	2.50	to 3.00	1.50	to 2.00
			2.00	to 3.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Cattleyas	50.00	to 60.00	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00
Lilies	18.00	to 15.00	12.50	to 15.00	10.00	to 12.50	6.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 4.00
Stocks					2.00	to 3.00	1.00	to 2.00
Pansies .....	.50	to .60	.75	to 1.00	1.00		.50	to 1.00
Daisies .....	.50	to .75	.75	to 1.25	1.00	to 1.50	.50	to 1.00
Snapdragon			4.00	to 7.00			2.00	to 6.00
Peonies	4.00	to 8.00			4.00	to 8.00	.75	to 2.00
Sweet Peas .....	.50	to 1.00	1.00	to 2.00	.75	to 1.00	.25	to 1.00
Gardenias	20.00	to 30.00	15.00	to 25.00	20.00	to 25.00	8.00	to 12.00
Adiantum		1.00	.75	to 1.25	1.00	to 1.50	1.00	to 1.50
Smilax	12.00	to 15.00	12.00	to 15.00	15.00	to 20.00	12.00	to 16.00
Asparagus Plumosus, strings (100) ..	50.00	to 60.00	45.00	to 60.00		to 50.00		to 50.00
" " & Spreng. (100 bchs.) ..	25.00	to 30.00	25.00	to 35.00	35.00	to 50.00		to 50.00

FLOWERS AND GREENS!

In our **GREEN DEPARTMENT** we have New Crop Dagger and Fancy Ferns, \$1.50
per 1000. Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00
per 100; \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our **FLOWER DEPARTMENT**, everything in Flowers, from Orchids down; finest
quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in
pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street,
9 Chapman Place, Boston, Mass.

LONG DISTANCE PHONES, 2617-2618 MAIN.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
Jobbers of Florists' Supplies, Seeds and
Bulbs. Price list on application.
Phone, Main 584. 316 Walnut St., Cincinnati, O.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000...\$1.75; 50,000...\$7.50. Sample free.

For sale by dealers

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. **Roses and Carnations Our Special**

ALWAYS GOOD,
FRESH STOCK.

Flower Market Reports.

A fair business is being **BOSTON** done and with the coming of warmer weather and clear atmosphere, roses especially are improved. There is an over-supply of sweet peas, lilies and stocks and peonies are hard to move at any price. Lily of the valley which was scarce last week, is again plentiful. Orchids go slowly but better than they did earlier in the month. Carnations are, on the average, indifferent in quality, but probably as good as at this date in any previous year.

Trade continues to be **BUFFALO** active, though the past week found the market in heavy supply on most lines, especially carnations of ordinary quality. Also roses were in heavy supply. Saturday was looked forward to as clean-up day, but it opened with a pouring rain and continued throughout the day and Sunday morning, consequently the stock was carried over. Peony, peas and lily of the valley are having the call, though white roses have sold well. Kaiserin and White Killarney were in good supply and no shortage in the white rose line. Carnot roses are excellent, also Richmond. There was an over-supply on Beauties and only normal demand. Beginning next Monday school commencements are on and a busy week is looked for.

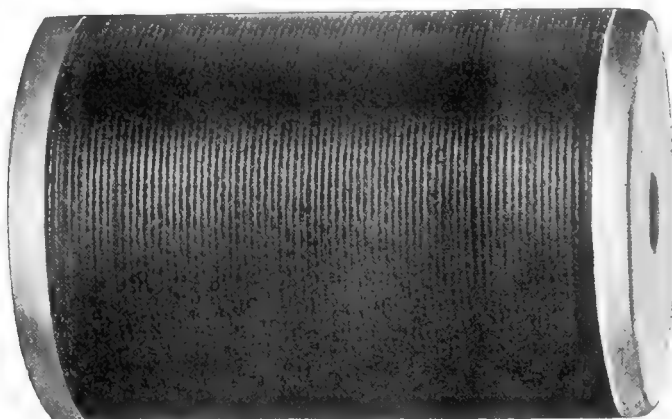
A few warm days have **CHICAGO** made stock more plentiful and also lowered the quality. Sunday was the first really warm day since March and the stock under glass quickly felt the change. Carnations are too plentiful, and the prices have dropped too low to suit the growers, and only the best stock can be moved at anything like a good figure. Roses, too, are much more abundant and only extra fine stock brings the top price, while there is plenty of fairly good stock sold at a very low figure. The first new Beauties are seen in a few places, while the supply of old ones is abundant in all lengths. Peonies are not satisfactory to the trade in general and the conditions do not improve as the season advances; good white brings the highest price. Gladioli are coming in freely, but the demand is light. Daisies are scarce, but there are many from the fields brought in. Callas are still in and quality fairly good for the season. Green stuff is in good demand. Sweet peas of the Spencer type are among the most popular, if not the flowers most in demand this month. One of our large retailers says the man who can give us a winter-blooming crop with the same characteristics will confer a great favor upon the people as well as reap a reward for himself.

The warm weather **CINCINNATI** of the past week has brought in an abundance of stock of nearly all kinds. Carnations, which were scarce last week, are more plentiful and show the effects of the warm weather, consequently have come down a shade in price. American Beauties appeared plentiful and of good quality for the season. Brides and Bridesmaids are



FLORISTS' GREEN THREAD

This green stringing thread is equal to the best on the market—and at about one-half the price! Many consider it even superior to the very best—at double the price!



Strong cord and fast color. Just the thing for stringing Smilax and Asparagus
Single pound 75c. Box of 3 lbs. \$2.10. Pkg. of 12 lbs. \$8.00,

CHIFFONS SILK NETTING FANCY RIBBONS

S. S. Pennock-Meehan Co.

THE WHOLESALE FLORISTS OF

1608-20 LUDLOW STREET, PHILADELPHIA, PA.
1212 New York Ave., WASHINGTON, D.C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI			DETROIT			BUFFALO			PITTSBURG		
	June 14			June 14			June 14			June 14		
ROSES												
Am. Beauty, Fan, and Sp.....	20.00	to	30.00	20.00	to	25.00	20.00	to	25.00	20.00	to	25.00
“ Extra	10.00	to	15.00	16.00	to	20.00	15.00	to	20.00	12.00	to	15.00
“ No. 1.....	6.00	to	10.00	12.00	to	16.00	8.00	to	10.00	5.00	to	8.00
“ Lower grades.....	4.00	to	6.00	4.00	to	10.00	2.00	to	4.00	.....	to	2.00
Bride, 'Maid, Chatenay, F. & S.....	6.00	to	8.00	6.00	to	8.00	8.00	to	10.00	6.00	to	8.00
“ Low gr.....	3.00	to	4.00	4.00	to	6.00	2.00	to	8.00	2.00	to	4.00
Killarney, My Maryland, Fan, & Sp.....	6.00	to	8.00	6.00	to	8.00	8.00	to	10.00	8.00	to	10.00
“ Lower grades.....	3.00	to	4.00	4.00	to	6.00	2.00	to	8.00	3.00	to	6.00
Richmond, Fancy & Special.....	6.00	to	8.00	6.00	to	8.00	8.00	to	10.00	8.00	to	10.00
“ Lower grades.....	3.00	to	4.00	4.00	to	6.00	2.00	to	8.00	3.00	to	6.00
Kaiserin, Carnot, Fancy and Sp.....	6.00	to	8.00	6.00	to	10.00	.....	to	.....	6.00	to	8.00
“ “ Lower Grades.....	3.00	to	4.00	4.00	to	6.00	.....	to	.....	2.00	to	4.00
CARNATIONS, Novelties and Fancy												
“ Ordinary	3.00	to	.....	2.00	to	3.00	.....	to	3.00	2.50	to	3.00
“ “	2.00	to	.....	1.50	to	2.00	1.50	to	2.50	1.50	to	2.00
MISCELLANEOUS												
Cattleyas.....	50.00	to	60.00	50.00	to	60.00	50.00	to	75.00	50.00	to	75.00
Lilies.....	8.00	to	10.00	15.00	to	.....	8.00	to	12.00	8.00	to	10.00
Lily of the Valley.....	3.00	to	4.00	3.00	to	4.00	3.00	to	4.00	2.00	to	4.00
Stocks.....	2.00	to	3.00	4.00	to	8.00	.....	to	.....	2.00	to	6.00
Pansies.....	.50	to	.....	.....	to	.....	.....	to	.....	.....	to	.50
Daisies.....	.....	to	.50	.50	to	1.00	1.00	to	2.00	1.00	to	1.50
Snapdragon.....	4.00	to	6.00	3.00	to	6.00	5.00	to	8.00	4.00	to	8.00
Peonies.....	4.00	to	4.00	4.00	to	10.00	3.00	to	6.00	4.00	to	6.00
Sweet Peas.....	.50	to	.75	.50	to	1.00	.50	to	1.00	.50	to	1.00
Gardenias.....	1.00	to	3.00	.....	to	.....	15.00	to	20.00	.....	to	.....
Adiantum.....	.....	to	1.00	1.00	to	1.50	1.00	to	1.50	1.00	to	1.50
Smilax.....	12.00	to	15.00	15.00	to	.....	15.00	to	20.00	15.00	to	20.00
Asparagus Plumosus, strings (100).....	25.00	to	35.00	25.00	to	40.00	25.00	to	60.00	25.00	to	50.00
“ “ & Spreng. (100 bchs.).....	20.00	to	20.00	25.00	to	40.00	50.00	to	50.00	25.00	to	50.00

also showing the effects of the warm weather, although there are some excellent Kaiserin, Killarney, Taft, and Maryland to be had. Lily of the valley and sweet peas are an important item, with very little of the former to be had, while with the latter the call is mostly for white and lavender colors. Arrivals of peonies have slackened up considerably. Green goods of all kinds are in good supply.

(Reports continued on page 931)

NEWS NOTES.

Extensive alterations are in progress in the building, 127 W. 28th street, New York, to which George Cotsonas & Co. have recently moved.

George Saltford has begun operations on the remodeling of the premises at 129 W. 28th street, New York, to which he will remove in a few weeks.

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES. FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

Telephone, 3870 or 3871 Madison Square

H. E. FROMENTWholesale Commission Florist,
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

Alfred H. LangjahrAll choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

**Edward C. Horan
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York
1463**Greater New York
Florists' Association,
Inc.**Now Open for Cut Flower Consignments
162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 756 New York
Madison Square**AUGUST MILLANG****WHOLESALE FLORIST**

41 West Twenty-Eighth Street

NEW YORK

Phones 3860-3816 Madison Square

WILLIAM F. KASTING CO.

WHOLESALE FLORISTS

383-387 Ellicott Street

BUFFALO, - N. Y.**REED & KELLER**

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
and are dealers in

Glassware Decorative Greens and Florists' Requisites

**ROBERT J. DYSART
Public Accountant and Auditor**Simple methods of correct accounting
especially adapted for florists' use.**Books Balanced and Adjusted**
Merchants Bank Building28 STATE STREET, - BOSTON
Telephone, Main 58.**P. J. SMITH**

Successor to JOHN I. RAYNOR

Wholesale Commission FloristA full line of Choice Cut Flower Stock for all purposes. Comprises every variety
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

Walter F. Sheridan

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**THE HIGHEST GRADE OF VALLEY ALWAYS
ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, 759 Mad. Sq. Telephone 42 W. 28th St., New York

PHILIP F. KESSLER 3rd Floor Coogan Bldg.,
55 & 57 W. 26th St., New York CityOpen from 5 a. m. to 6 p. m. Sun-
day till 10 a. m.

Tel. 5243 Madison Sq.

CUT FLOWERS

Finest Lilies in the Market Every Day in the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending June 11 1910			First Half of Week beginning June 13 1910		
American Beauty, Fancy and Special.....	12.00	10	20.00	12.00	10	20.00
" " Extra.....	8.00	10	10.00	8.00	10	10.00
" " No. 1.....	4.00	10	6.00	4.00	10	6.00
" " Lower Grades.....	.50	10	2.00	.50	10	2.00
Bride, "Maid, Golden Gate, Fancy and Special.....	3.00	10	4.00	3.00	10	4.00
" " Lower Grades.....	.90	10	2.00	.50	10	2.00
Killarney, Maryland, Fancy and Special.....	3.00	10	5.00	3.00	10	5.00
" " Lower Grades.....	.50	10	2.00	.50	10	2.00
Richmond, Fancy and Special.....	4.00	10	6.00	3.00	10	6.00
" " Lower Grades.....	.50	10	2.00	.25	10	2.00
Kaiserin, Carnot, Fancy and Special.....	3.00	10	6.00	3.00	10	6.00
" " Lower Grades.....	.50	10	2.00	.50	10	2.00
Carnations, Fancy and Novelties.....	1.50	10	2.00	1.50	10	2.00
" " Ordinary.....	.75	10	1.00	.75	10	1.00

**Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID**CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

Wholesale Florist

55 & 57 W. 26 St., NEW YORK

Telephone 7062 Madison

THE KERVAN COMPANYFresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.Tel. 1519 Mad. Sq. 113 W. 28 St., New York.
5893**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4501 Main

**KRICK'S FLORIST
NOVELTIES**Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.1164-66 Greene Av., Brooklyn, N. Y.
For Sale by all Supply Houses



MICHIGAN CUT FLOWER EXCHANGE, Inc.
 WHOLESALE COMMISSION FLORISTS
 Consignments Solicited
Hardy Fancy Fern Our Specialty
 38-40 BROADWAY, DETROIT, MICH.
SOUTHERN WILD SMILAX
 Now ready in limited quantity.
E. A. BEAVEN
 EVERGREEN, ALABAMA.



Flower Market Reports

(Continued from page 929)

NEW YORK Although it cannot be said that the quantity of floral produce coming in for the past few days has been extraordinarily large, it is yet true that the market is choked with material for which there is little or no outlet. This applies to practically every item on the list, but especially to roses, peonies, sweet peas, lilies, daisies and lily of the valley. In addition to being overstocked, quality runs low on many of the above named, roses, carnations and sweet peas plainly showing the bad effects of the several consecutive days of drizzle and downpour through which we have just passed, and should this be succeeded by a period of bright sun and high temperature it will not be long before the end is reached for several things. Outdoor Jacq's are now pouring in at about \$3 a thousand and Richmond is unsalable for the time being. Lily of the valley is excellent as to quality, but the "frame" crop has given it a big jolt. Thousands of long stemmed gardenias are received daily from the South, the returns from sales being scarcely sufficient to defray the express charges, which are very high. Peonies vary greatly; there are heaps of spindly rags and there are great luscious Festiva Maximas such as are rarely seen outside of the exhibitions, and all gradations between.

PHILADELPHIA The second week in June could hardly be expected to be as good from a business standpoint as the first week in June—and it so proved. The market sagged off quite a bit and the general average was distinctly under last week's record. This was particularly true as to local business, and had it not been for a welcome fillip from the shipping trade things would have been much worse. This shows the reflex importance of the wide-awake firms to the general welfare. By advertising, circularizing and traveling, they develop business with the outside—thus benefiting indirectly the "timid sisters" and those "grasping growers" who never do anything to help develop business. But with all that there was an immense lot of stock in the Saturday "clean-up"—and it was almost given away. It wasn't business—it was charity! American Beauty roses are holding their own as to quality all right and moving off as well as could be expected. All roses are better than usual for the season—the Brides and 'Maids at the end

FLOWER GROWER OR BUYER
 Whichever you are, you are invited to call or write. I can be of service to you the entire season. **WHOLESALE FLOWERS ONLY.**
 Established 1887
 Open 6 A. M. Daily
 Tel. 167 Madison Sq. **J. K. ALLEN** 106 W. 28th St. New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 11 1910		First Half of Week beginning June 13 1910	
Cattleyas.....	20.00	to 35.00	20.00	to 35.00
Lilies.....	4.00	to 6.00	3.00	to 5.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Stocks.....	1.00	to 2.00	1.00	to 2.00
Daisies.....	.25	to 1.00	.25	to .50
Snapdragon.....	4.00	to 6.00	4.00	to 6.00
Peonies.....	3.00	to 6.00	.50	to 3.00
Sweet Peas (per 100 bchs).....	3.00	to 6.00	3.00	to 6.00
Gardenias.....	15.00	to 20.00	10.00	to 20.00
Adiantum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	10.00	to 12.00	10.00	to 12.00
Asparagus Plumosus, strings.....	25.00	to 35.00	25.00	to 35.00
" " & Sprea. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

of the procession. My Maryland is beginning to show its usual superiority as a summer rose—and this feature will be still more pronounced as the days go by. Carnations are still fine but prices realized are altogether too low, and very disheartening to the grower. Orchids are a little off crop for the time being, and as the demand is fair there is a tendency upwards in prices. Lily of the valley is, of course, one of the best sellers in June, and might also be said to be on the short side. The better grades of sweet peas went very well, but it was almost impossible to realize at all on anything that was not top notch. Peonies are still in evidence and while not in brisk demand there is a fairly good market for them in limited quantities. Snapdragon is running down—the high water quality heretofore shown having distinctly abated. Gladioli are becoming more plentiful and the demand for same is excellent.

PHILADELPHIA NOTES.

Dating from the 18th inst., the closing hour at Niessen's will be 6 p. m. instead of 8 p. m.

Messrs. Burpee and Earl arrived home from their Pacific trip on the 14th inst., looking brown and hearty. They were enthusiastic over the good work already accomplished by Edwin Lonsdale at Floradale—their California ranch near Lompoc.

F. W. Rohland, of Dreer's, calls attention to the exhibit in the firm's Chestnut Street window, of the ex-

haustive trials of all the latest roses at the Riverton grounds. The tests are of course, to determine hardiness and general good qualities for outdoor culture.

Messrs. Scott & Son say in regard to their new yellow rose: "The name is not yet decided; but we think the Dicksons will call it 'Irish Melody.' While this rose is not particularly good with us in summer, yet in the fall, winter and spring, it is a good one, and it flowered as freely last season as My Maryland did with us during the summer months; therefore we think very highly of it and hope to introduce it next year."

Regarding Duchess of Westminster rose, recently certificated at the Temple Show in London, Messrs. Dickson's American agents (Robert Scott & Son) report: "We do not know it under that name as we only get the Dickson seedlings under number, and while we may have tested it we do not know which it is. We can tell you more about it when our Alexander B. Scott returns from Ireland in August. He sails for there July 9th, and expects to return latter part of August."

Don't miss Elliott's trade auction sale, scheduled for Tuesday, June 21, at noon. See his advt. in this paper.

SOUTHERN WILD SMILAX
 Fully Guaranteed.
LOUISVILLE FLORAL CO.
 Louisville, Ala.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ACHYRANTHES.

Achyranthes, Linden and Wallace, 2-in., \$2.00 per 100; 2½-in., strong, \$3.00 per 100. Newton Rose Conservatories, Newtonville, Mass.

ALYSSUM

Alyssum, \$2.00 per 100. E. H. Frenking, 1200 Hamilton, Trenton, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, 2½ inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 per 1000; 10 cents for sample. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

ASTERS

FLORISTS' ASTERS.

Field-grown, separate colors. Crego, white, pink and rose; Semple's, purple and lavender; \$2.50 per 1000, express; by mail, \$3.00 per 100. Cash with order. A. & G. Rosbach, Pemberton, N. J.

AUCTION SALES

Wm. Elliott & Sons, New York, N. Y.
Plant Auction Sale.
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BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
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BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
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BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

Bedding plants. Geraniums in bud and bloom, Nutt, Trego, Poltevine, Vland, Jaunlin, La Favorite, 3½ in., \$6.00 per 100. Feverfew, double white; Petunias, double and single, 3½ in., \$5.00 per 100. Fuchsias, Little Beauty and other best market varieties, 2 and 3½ in., \$2.50 and \$6.00 per 100. Abutilon Savitzii, Parlor Ivy, Ageratum Gurney, Begonia semperflorens and Vesuvius, 3 in., \$5.00 per 100. Verbenas, Dusty Miller, Blue Lobelias, Achyranthes Linden, 2½ in., \$2.50 per 100. Alternantheras, red and yellow, 2 in., \$2.00 per 100. Special price on large quantities. Cash. F. Sokol, College St., Worcester, Mass.

Achyranthes, Coleus, of all varieties, 2-in., \$2.00 per 100; 2½-in., strong, \$3.00 per 100. Heliotropes, 4-in., \$6.00 per 100. Cash. Newton Rose Conservatories, Newtonville, Mass.

BEGONIAS

Thomas Roland, Nahant, Mass.
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Begonia Lorraine and Agathe, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 468 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

A. Leuthy & Co., Roslindale, Mass.
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New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
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J. M. Thorburn & Co., 33 Barclay St., New York.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Richards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Yokohama Nursery Co., 31 Barclay St., New York.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
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H. E. Fiske Seed Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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"Buds", New York, N. Y.
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CANNAS

A. N. Pierson, Inc., Cromwell, Conn.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CASTLE AUTOMATIC CIRCULATOR

W. W. Castle Co., Boston, Mass.

CEMETERY VASES

E. H. Hunt, Chicago, Ill.
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CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.
Rooted Cuttings.
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Elmer D. Smith & Co., Adrian, Mich.
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Charles H. Totty, Madison, N. J.
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CHRYSANTHEMUM ROOTED CUTTINGS
WHITE—Lynnwood Hall, Tousey, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonnafont, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list.
Wm. Swaney, Box 215, Kennet Sq., Pa.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonia, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C. Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Seed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

COLEUS

J. E. Felthousen, Schenectady, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

Or. Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Cyclamen Persicum Giganteum, Large flowering, mixed colors, fine bushy plants. 3 inch \$5.00 per 100; 4 inch \$10.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen Giganteum, extra well grown plants from 3 in. pots. \$7.00 per 100. Paul Mader, East Stroudsburg, Pa.

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CYCLAMEN — Continued

Cyclamens — finest stock — in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Acto, N. J.

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DAHLIA — Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Shasta Daisy Alaska, extra large, field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Godfrey Aschmann, Philadelphia.

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DRACANEAS

A. N. Pierson, Inc., Cromwell, Conn.

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Dracaenas, 5-in. pots, 20c. each; \$18.00 per 100. Suitable for vase filling. Cash. with order. The William Scott Co., Buffalo, N. Y.

Dracaena indivisa, 4-in., strong, \$8.00 per 100; 6-in., \$25.00 per 100. E. H. Frenking, 1200 Hamilton, N. J.

EVERGREENS

New England Nurseries, Bedford, Mass.

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Boblink & Atkins, Rutherford, N. J.

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H. H. Barrows & Son, Whitman, Mass.

Nephrolepis Magnifica.

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John Scott, Brooklyn, N. Y.

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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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D. D. Johnson Co., Chicago, Ill.

Evergreen Brand Fertilizer.

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Wm. Elliott & Sons, New York, N. Y.

Clay's Fertilizer.

Hosea Waterer, Philadelphia, Pa.

Thompson's Vine, Plant and Vegetable Manure.

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FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.

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S. S. Pennock-Meehan, Philadelphia, Pa.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.

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GARDENIAS

A. N. Pierson, Inc., Cromwell, Conn.

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GERANIUMS

B. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney, Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbier, 6417 Carnegie Ave., Cleveland, O.

25,000 geraniums in following varieties: Nutt, Buchner, Jaulin and Ricard, 3½ and 4-in., \$7.50 and \$8.00 per 100. Fine stock, strong and stocky. Cash please. A. H. Craig & Son, Stratham, N. H.

Geranium, S. A. Nutt, Double Grant and assorted, 3½ and 4 inch, 6 and 7c; Sallerol 3 inch, 4c. Stafford Floral Co., Stafford Springs, Conn.

Geraniums, rooted cuttings of Ricard, Poltevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

Sweet Scented Geraniums, Rose Leaf and Skeleton Leaf, 100 of each, \$5 per 100. Cuas. H. Green, Spencer, Mass.

Geraniums, Ricard, 2 in., \$1.75 per 100. J. H. Dunn & Son, Westfield, N. Y.

GLADIOLI

E. S. Miller, Wading River, L. I., N. Y.

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GLADIOLI — Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1892-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold Fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.

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Hitchings & Co., 1170 Broadway, N. Y.

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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Foley Mfg. Co., Chicago.

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Hitchings & Co., 1170 Broadway, N. Y.

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS, MOSS AND GREENS

H. M. Robinson & Co., Boston, Mass.

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Michigan Cut Flower Exchange,

28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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Rice Bros., Minneapolis, Minn.

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HEATING APPARATUS

Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., 1 Madison Sq., N. Y.

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In writing to Advertisers kindly mention Horticulture

HEATING APPARATUS— Continued

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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HELIOTROPES.

Heliotropes, 4-in., in pots, \$6.00 per 100.
Cash. Newton Rose Conservatories, New-
tonville, Mass.

HERBACEOUS PERENNIALS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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HOLLYHOCKS

Hollyhocks, strong pink, yellow, white,
red, \$1.00 100; \$5.00 1000. 20,000 Tritoma
Pfitzerii seedlings. B. A. Bohuslav, Jap-
anese Maple Specialist, Newport, R. I.

HOSE

Henry A. Dreer, Philadelphia, Pa.
Garden Hose.
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HOT-BED SASH

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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS

Hydrangea arborescens grandiflora alba.
We have the largest stock of strong 2 and
3-year-old plants in America at attractive
prices. Inspection of stock desired.
E. Y. Teas, Centerville, Ind.

INSECTICIDES.

Nicotinide kills all greenhouse pests.
P. R. Palethrope Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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B. G. Pratt Co., 50 Church St., New York.
Scalecide.
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Eastern Chemical Co., Boston, Mass.
Imp Soap Spray.
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IRIS

E. S. Miller, Wading River, N. Y.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.
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KENTIAS

A. Leuthy & Co., Roslindale, Mass.
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Jos. Heacock Co., Wyncote, Pa.
Home-Grown, Established Plants.
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Bobbink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield,
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LEMON VERBENAS

R. Vincent, Jr. & Sons Co.,
Whitemarsh, Md.
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LILIES

E. S. Miller, Wading River, N. Y.
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LILY OF THE VALLEY PIPS
Hjalmar Hartmann & Co., Langangstræde
20 Copenhagen, Denmark.
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LOBELIAS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
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MASTICA

F. O. Pierce Co., New York, N. Y.
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MOONVINE

Godfrey Aschmann, Philadelphia, Pa.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.
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NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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New England Nurseries, Bedford, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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Ellwanger & Barry, Rochester, N. Y.
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Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.
Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

**TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.**
Ellwanger & Barry, Rochester, N. Y.

ONION SETS

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ORCHID PLANTS

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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
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Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
lams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
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ORCHID FLOWERS

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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. **Lord &
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
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Crosby & Son, Catonsville, Baltimore, Md.

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stock. List ready. **C. Betscher**, Canal
Dover, O.

Peonies only, by the wholesale. Best 100
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PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh,
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Double Petunias.
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Petunias, 2½-in., \$2.00 per 100. **E. H.
Frenking**, 1200 Hamilton, Trenton, N. J.

PHLOXES.

Plox Drummondii nana compacta, \$2.00
per 100. **E. H. Frenking**, 1200 Hamilton,
Trenton, N. J.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. **Nathan
R. Graves**, 414 Hayward Bldg., Rochester,
N. Y.

PHOTOGRAPHS: DESIGNING: IL- LUSTRATING

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PIPE AND FITTINGS. Cast Iron and
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Automatic Air Headers, etc. **Lord & Burn-
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PLANT STAKES

**Seele's Tieless Plant Stakes and Tral-
lises**. **H. D. Seele & Sons**, Elkhart, Ind.

POT HANGERS

Pot hangers, **Kramer's** \$1 doz. by exp.,
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The Rose by H. B. Ellwanger; mailed
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Hand Book of Cultural Notes on Roses
Under Glass, by F. P. Brigham, mailed to
your address for 25c., by Horticulture Pub-
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RUBBER PLANTS

Bobbink & Atkins, Rutherford, N. J.
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Young Rubber Plants, 2½ in. pots, \$15.00
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Live Sphagnum moss, orchid peat and
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A large stock of sweet potato plants
now ready. Yellow Nansemond, Big Stem
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WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00
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Wirework—Compare our prices with
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During Recess

New York Florists' Club Outing.

Chairman H. A. Bunyard of the Outing Committee of the New York Florists Club has issued a circular asking members and friends to secure their tickets in advance and thus help the committee in their endeavor to adequately provide for the pleasure and comfort of all who attend. The picnic will take place on Tuesday, June 28. More donations for prizes for the games are needed and generously disposed members—those who propose to attend and those who do not—have here an opportunity to help out on a very commendable undertaking.

WELCOME!

Once again we join together to gambol on the green. Thrice welcome to the annual frolicke! "Let joy be unconfined!"

Every member of our Club should be present with his family and extend the glad hand of fellowship and comradeship; let us forget our differences and business for the day and meet upon a common ground for a common cause, and mutual friendship and entertainment.

Let employer and employee mingle and exchange friendly greetings, remembering that we all have souls, are dependent one upon the other and are not "mere tools to make things;" let us all be children on this glorious day, aye, men and women too, but with the heart of a child, guileless and with the smile and happiness of youth, eager for the game and the sport of the hour and the gladness of it all.

And so we repeat—Thrice welcome, come one and all. Leave dull care behind and enter into the spirit of this joyous occasion. Let the members of The New York Florists' Club be proud of their committee and the committee be proud of the members, and the whole trade be proud of one of the greatest organizations for the advancement of horticulture and good fellowship.

All hail, and again thrice welcome. H. A. B.

Make the Farm Pay



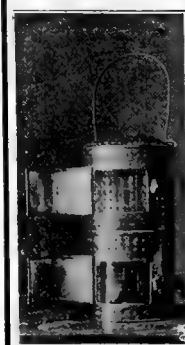
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Dorrance, Penna.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—An experienced decorator and maker up of designs and sprays. Must be strictly sober and polite to customers. A permanent situation for one who can fill the place and is well recommended. Please state wages expected. Address, A. B. C., care of HORTICULTURE OFFICE, 11 Hamilton Place.

WANTED—An experienced man for general greenhouse work, must be a sober and industrious man, or do not apply. State lowest wages for the summer, also where last employed. Address, Box 2925, Boston, Mass.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1092, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

EXPERIENCED man in retail flower store. Must be designer and good all around man. F. Williams, 35 East Randolph St., Chicago, Ill.

WANTED—Good, sober, general greenhouse man as assistant, who can do designs. G. L. Ramsburg, Somersworth, N. H.

SITUATIONS WANTED

SITUATION WANTED—Gardener, head or superintendent, 20 years practical experience in landscape work and all pertaining to the upkeep of a gentleman's estate. Excellent references, single. H. I. J., care HORTICULTURE.

WANTED—Position as a gardener and general superintendent on estate. Seven years in last position. Highest references. W. B. Jackson, care HORTICULTURE, 11 Hamilton Place, Boston.

WORKING FOREMAN wants position; good grower of roses, pinks, chrysanthemums, pot plants, etc.; long experience. First class references. S. J., care HORTICULTURE.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Good greenhouse in one of the most desirable towns, in excellent location; three railroads, making good shipping center; a snap. Apply to Wm. Ballard, Perry, Iowa.

FOR SALE—Retail florist business, fine location. Wm. Doel, Pascoag, R. I.

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EASIEST APPLIED.**

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144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

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CHEAPEST.

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Fruit bearing
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\$5.75 for two
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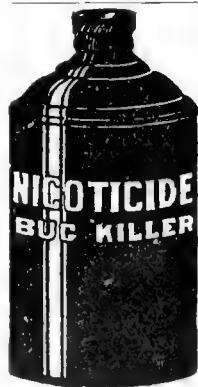
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Dusting or
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THE ORIGINAL NICOTINE
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use it, the Deming "Perfect Success" saves
time and trouble and does better work.

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Hand and power, nearly two dozen
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Pumps for all uses. Ask your dealer.

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The Aphine Manufacturing Com-
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another in their series of public dem-
onstrations of the efficacy of this in-
secticide, at the S. A. F. convention
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POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS
A. H. HEWS & CO., Inc.
**Pearson Street,
LONG ISLAND CITY, N. Y.**
**Main Office and Factories
CAMBRIDGE, MASS.**

NEWS NOTES.

South Sudbury, Mass.—Fred N. Eaton has purchased the greenhouses of Howard C. Burr and will take them down and rebuild near his present house.

Bryantville, Mass.—The storm of Tuesday, June 7th, was the worst on record in this town. Considerable glass in the Halifax Garden Company's plant was broken.

Larned, Kans.—Joel Smith has purchased the Tyra Montgomery place and a greenhouse will be erected. There are about four acres in this tract, which will be used for the growing of hardy stock.

Raspeburg, Md.—John G. Kilian is preparing to go into the florist business. He was formerly strictly a vegetable and truck gardener with one house 25 x 100 feet. He now expects to build an addition.

Van Wert, Ohio.—The greenhouse of Ernsberger & Moses was considerably damaged by the severe hail storm recently. Ed. Moses, the managing proprietor, states that many lights of glass were broken which will cause a loss of at least a hundred dollars.

Woburn, Mass.—Eleven and one-half acres of land here have been purchased by Arthur Griffin, formerly gardener for Commodore Elbridge T. Gerry of Newport, R. I., and he intends to take up the cultivation of carnations for the wholesale market. A propagating house will be added to the glass already on the place as well as several new houses.

Detroit, Mich.—Two large additions to the City Greenhouses at Belle Isle will shortly be started. It is the intention to have these ready for occupancy by September and the Council and Board of Estimates have allowed \$6800 for the purpose. These will be each 50 x 100 feet and the architectural design is intended to add considerably to the beauty of the Island. Approximately 750,000 plants are raised in the present greenhouse in Belle Isle and the new houses will allow a considerable increase in this number.

PATENTS GRANTED.

- 960,247. Weeder. Sarah E. Ball, Ritchey, Ill.
960,497. Tree Holder. Max F. Buckart, Jr., San Francisco, Cal.
960,503. Lawn Mower. Adelbert B. Case, Springfield, Mass.
960,667. Pipe Coupling. Lawrence Miller, Pittsburg, Pa.

F. O. Pierce Co. have adorned the front of the building occupied by them in West Broadway, New York, with a capacious balcony box extending along the entire front of the building and filled with ivy, vincas, geraniums and pansies. It makes an impressive beauty spot in a district otherwise barren of verdure.

Hunt's Spiked Cemetery Vase

Beautiful Clear Crystal Glass, heavy to stand hard usage, 4 1/4 inch diameter and 9 inch deep. Each 20 cents, \$1.40 dozen, 5 dozen (1 bar el) \$6.25. White Enamel Lawn or Cemetery Vase. Made of heavy Tin Sheeting, Enamelled White.

No. 1—4 1/4 x 6 3/4 inches 20 cents each, \$2.00 per dozen
No. 2—3 3/4 x 6 3/4 " 15 " " 1.60 per dozen

E. H. Hunt, 76-78 Wabash Avenue, Chicago

GREENHOUSES BUILDING OR CONTEMPLATED.

Maynard, Mass.—Albert Batley, one house.

Pomfret, Conn.—Rathlin Farm, one house.

Ashland, Mass.—Ernest Warren, Union street, one house.

Sayville, N. Y.—George Terry, house 22 x 100 feet.

Larned, Kans.—Joel Smith, house 20 x 110 feet.

Des Moines, Ia.—Iowa Floral Co., eight houses.

Manchester, Conn.—John H. Cheney, house 25 x 61 feet.

Raspeburg, Md.—John G. Kilian, house, 30 x 108 feet.

Irrington, N. J.—E. W. Fengar, carnation house, 54 x 190.

Lawrence, Mass.—E. W. Blair, 450 Lowell street, one house.

Moorestown, N. J.—The Floracraft Greenhouses, house 22 x 110 feet.

Akron, O.—O. C. Barber, Barberton Farm, 11 houses, each 30 x 160 ft.

Nashua, N. H.—George M. Coburn, East Hollis Greenhouses, addition.

Providence, R. I.—H. J. Johnson, 1860 Broad street, addition this season.

Detroit, Mich.—City Greenhouse, Belle Isle, two houses, each 50 x 100 feet.

Hastings, Neb.—C. W. Siedles, addition which will nearly double his present range.

Roslindale, Mass.—A. Leuthy & Co., one house, 25 x 130 feet. A. T. Stearns Lumber Co., material.

Brampton, Ont., Can.—The Dale Estate are building three houses 650 feet long and four 115 feet.

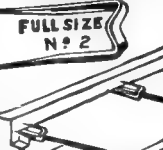
New Castle, Ind.—Peter Weiland who has recently disposed of his interest in the business of Weiland & Olinger intends to erect another plant of 10 houses on a 50 acre farm west of the city.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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See the Point 
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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FOR Greenhouse Glazing
USE IT NOW.
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.16
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
1500 2 3/4 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80	48 9 in. pots in crate	\$3.60
500 4 " " "	4.50	48 10 " " "	4.80
456 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
210 5 1/2 " " "	3.78	6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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Florist Specialties
KEYSTONE CEDAR
PLANT TUBS



Diam.	Each.	Doz.	100.
A 11 in.	.65	7.15	55.00
B 12 1/2 " "	.75	8.25	65.00
C 13 1/2 " "	.85	9.35	75.00
D 14 1/2 " "	1.00	11.00	90.00
E 15 1/2 " "	1.25	13.75	110.00
F 16 1/2 " "	1.50	16.50	130.00

Three largest sizes have handles.

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Investigate them, as other florists have done and personally know they are the best. They are made to last.

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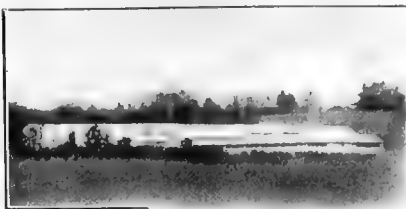
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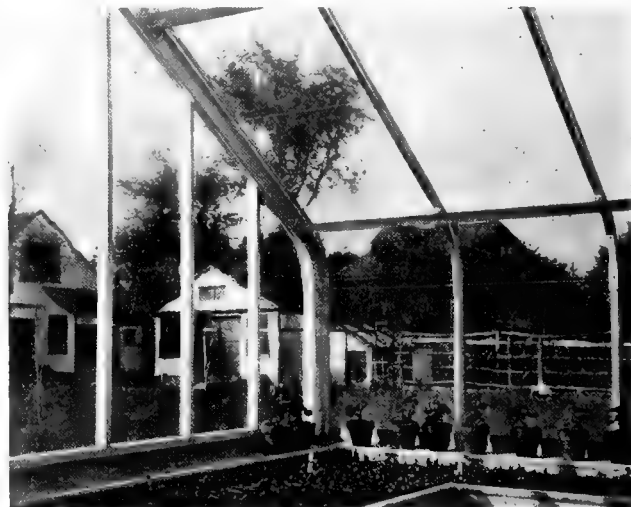
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HORTICULTURE

Vol. XI.

JUNE 25, 1910

No. 26



W. P. STARK

President-elect of the American Association of Nurserymen.

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Cattleya Schroderae, C. Mendellii, C. gigas Sanderiana; Dendrobium
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TO BE DISPOSED OF QUICK. A No. 1 in Every Respect

	100	1000		100	1000
10,000 Coleus, Golden Bedder.....	3 in. \$3.00	\$25.00	4,000 Cineraria, Maritima Candi-	2 in. \$2.00	\$17.50
8,000 " Verschaffeltii.....	3 in. 3.00	25.00	30,000 Cannas, Eisele, Egandale,		
8,000 " Golden Bedder.....	2 in. 2.00	17.50	Florence Vaughan, Louisiana..	3 in. 3.00	25.00
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10,000 " In Variety.....	2 in. 2.00	17.50	25,000 Alternanthera, Red and Yellow	2 in. 2.00	17.50
2,000 Cineraria, Maritima Candi-			1,000 Abutilon, Savitzi.....	2 in. 3.00	25.00
dissima.....	3 in. 3.00	25.00	3,000 Lemon Verbenas.....	2 in. 2.00	18.50

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CANNAS—Gladiator, Green foliage, yellow flower, spotted with red. Wyoming. Bronze foliage, red flower. Louisiana. Green foliage, red flower. Assorted Cannas. Good standard varieties. The above in 4-inch pots, \$1.00 per dozen, \$3.00 per 100.

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Notes From the Arnold Arboretum

The Rhododendrons and Kalmias are now in full bloom and present a splendid picture,—their masses of bright flowers set off effectively by the dark background of the hemlocks. To the already large collection of Rhododendrons new additions are made every year and among those recently acquired *Prometheus* is one of the finest on account of the rich color of its flowers hardly equalled by any other hardy Rhododendron; the flowers are deep scarlet marked with nearly black spots and are borne in large clusters. Also *Baroness Schroeder* with large clusters of nearly white finely spotted flowers is very beautiful. Among the Kalmias a very fine form with deep red flowers attracts attention; this is *Kalmia latifolia* var. *rubra*, in French nurseries also known as var. *Pavarii* and in England as var. *splendens*. Even without flowers it can be told from the common form by the darker and more lustrous green of its foliage. Between this and var. *alba*, the form with white flowers, almost all shades of pink are represented. Very distinct is var. *polypetala* (var. *monstruosa*); in this the corolla is not cup-shaped as in the normal form, but is divided into five narrow petals which gives the whole flower-cluster a feathery appearance. For borders of groups of Kalmias and other broad-leaved evergreens var. *myrtifolia*, a low and slow growing form, may be recommended; it forms a dense mass of narrow and small dark green leaves, but flowers only sparingly. Another low form is var. *obtusata*; this has rather large leaves rounded at both ends and resembling those of *Rhododendron catawbiense*, but they are smaller. These forms are usually propagated by side grafting on seedlings of the common form.

Among the Chinese Deutzias recently introduced by Wilson one of the best seems to be *Deutzia discolor*, particularly as it has proved fairly hardy. It has pure white flowers borne in large clusters along the slender arching branches; the individual flowers are star-shaped and about three-quarters of an inch across. The leaves are lanceolate or oblong-lanceolate, two to three inches long, serrate and bright green on the upper and whitish on the under side. A variety of it which is better known is *D. discolor* var. *purpurascens* with purplish flowers; this, however, is not hardy in this latitude.

In some instances plants raised from seed introduced recently from the higher mountains of western China are hardier than the plants of the same species now in cultivation. This is the case with *Idesia polycarpa* of which the plants raised from seed sent by Wilson have stood the last two winters without injury, while the plants introduced twenty or thirty years ago from southern Japan can not be grown successfully north of Philadelphia. It is a handsome round-headed tree attaining forty to fifty feet in height with fine foliage, but inconspicuous flowers in large racemes followed by orange-colored berries of about the size of small cherries. The broadly ovate or ovate leaves are serrate on the margin, dark green and lustrous above and whitish on the under side and are borne on slender peduncles three to five inches long. The tree is dioecious. It can be propagated besides by seeds, by green-wood cuttings and by root cuttings. It is now sometimes planted in southern Europe as an ornamental tree and may possibly make a good street tree. In China there occurs a form with the leaves pubescent on the under side; this is *I. polycarpa* var. *vestita* and has also been introduced by Wilson.

Eucharis grandiflora (Amazonica)

Eucharis grandiflora belongs to a small genus of warm greenhouse bulbous plants, and for grace and refinement when in flower, has few peers. The trade, however, has been a little shy of attempting to grow these beautiful white flowers thinking that they are hard to manage, but if a few simple requirements are attended to, success will be sure to follow. Lest this talk should sound rather optimistic, I will tell of a plant that I saw in an ordinary sitting room, in which it had grown for years—a remarkably well flowered specimen in a 10-inch pot, having 56 open flowers. My friend told me that a friend of the family, who was a missionary, had sent home three bulbs thirty-two years before my visit. The bulbs had increased in number so that two pots were filled with them, the plant in flower having the stronger bulbs. Two years before the time I speak of the plant had been repotted, with a compost obtained from a nearby florist and at intervals watered with cold tea, and soapy water such as one would wash their hands in, the leaves also being washed occasionally. The bulbs had flowered, more or less, every year.

A steady temperature is essential for the successful culture of *Eucharis*, and right here I will quote what an expert grower says about the disease that affects these plants.

"I had two fine pots of *Eucharis grandiflora* in flower. My employers insisted on their being taken to the conservatory in which a temperature of as near 50 degrees as possible was maintained. To this I strongly objected, but in it they were placed until they had finished flowering, when they were gradually brought back to the temperature I had grown them in. But from that day they got weaker and weaker, no matter what was done for them. I turned them out of their pots and washed them in the following mixture: Fir tree oil one-eighth of a pint to a gallon of warm rain water, adding about a pint of tobacco water and allowed them to lie on a bench about an hour before potting them, after which I placed them in the stove. They very soon after were growing as vigorously as ever, and I attributed the mischief to their being placed in the conservatory. I am convinced that a temperature of 65 degrees should be maintained where they are growing."

I have seen *Eucharis grandiflora* grown on a bench, but never with the same success as in pots, but I don't say that it can't be done successfully. I would advise placing seven good bulbs to a ten-inch pot, in a mixture of two parts fibry loam, one of flaky leaves, and one of dried cow manure, adding enough charcoal and sand to keep the whole porous. If large specimens are wanted for exhibition purposes the number of bulbs may be increased. For successful culture as near sixty-five degrees as possible should be maintained at night. Manure water and Clay's fertilizer may be given (weak, and often) when the plants are growing vigorously, especially when the flower-scapes appear. After the plants have flowered rest slightly by withholding water but never to the point of severe drying. I have known vigorous plants to flower three times a year, but they should never be forced to do so. Top-dress the plants annually, repotting only when the bulbs get over-crowded.

Alfred Rehder.

George F. Stewart.

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With this issue Vol. XI of HORTICULTURE comes to a close. In the corresponding issue one year ago we spoke appreciatively of the fact that through the kind patronage of the advertising houses in horticultural lines our six months' volume then closing comprised 920 pages, 48 pages more than the corresponding volume the year before. We now call attention to HORTICULTURE's continued growth in size and, inferentially, in the estimation of the advertising trade, which is again in evidence, this volume extending to 970 pages, a gain of 52 pages over last year or exactly 100 pages over the record of two years ago. Increased advertising patronage supplies the wherewithal for increased reading space and just as fast as our advertising support grows we shall continue to present a proportionally greater amount of good literature. Thousands of intelligent readers

eagerly scan the pages of HORTICULTURE as it comes to hand from week to week and that fact is primarily the source of the recognized sterling value of this paper to the advertising trade. The principle of quality rather than quantity of reading matter has proved a good investment for HORTICULTURE.

We have before us clippings from two Milwaukee daily papers, date June 10, enlarging upon the dire effects of the blighting frosts and gloomy weather of the past six weeks or more, and the suffering which the June brides and June graduates must endure for lack of flowers. "Even twice the customary prices for the June season are being asked"—we are told, and, "Milwaukee brides and graduates must pay high prices for the few roses and carnations left or go without." As we have often remarked, the men who inspire the publication of this sort of stuff in the daily papers are no friends of the florist trade, although they are not infrequently engaged in that industry. For every individual that they frighten into paying an extortionate price they scare away scores who might, with tactful handling, be induced to become frequent purchasers. As to whether there is any acceptable justification for the agitation, let the flower market columns of our Chicago contemporaries answer. According to what they tell us the wholesale dealers of that city have had enough and more than enough for all, and there is nothing in the local trade reports from Milwaukee to indicate any famine. This being so why should not the flower industry of that section "read the riot act" to the parties who are so stupid as to send into thousands of homes unfounded statements calculated to repel and discourage the public from the use of flowers?

The florist of the future

Our lines in last week's issue commenting on the unequal distribution of the flower product in certain trade centres and resultant inequality of market values have elicited responses from several correspondents acquiescing, on the whole, with the deductions therein drawn. One retailer, however, while acknowledging the facts as presented, roundly denounces the department store as a competitor and pleads that the legitimate florists' store has already enough opposition to meet, in the speculative element which depends upon the wholesale markets for bargain lots and peddles same at street stands at ruinous prices, and believes that the wholesale growers and dealers should be censured for the favor extended to these people and to the department stores and for the alleged consequent injury to the retail florists' interests. We must say that we cannot see it quite as our correspondent sees it and would here remark that the tendency which he deprecates seems practically inevitable and will, in all probability, continue and spread, just as sure as the years roll around. The retail florist had a great advantage until the time when a surplus of choice material became a permanent feature of the wholesale market. The supply as it increased brought him the benefit of a wider choice and the opportunity to command quality and price. Now that it has increased far beyond his ability to control it he will find the critical public looking to him to give them a quality of service that the department store cannot give—something beyond the very simple process of carrying a stock of nice flowers and doling them out, grocer fashion, at so much a dozen. Artistic ability and advanced knowledge of the higher phases of his art must consequently come to the front as essential qualifications of the florist of the future and his working force.

"Tis not in mortals to command success,
 But we'll do more, Sempronius; we'll deserve it."

PEONY NOVELTIES AT SHAYLOR'S

At this particular time of the year when peonies are mentioned in and around Boston, one instinctively thinks of Shaylor. Shaylor and peonies are synonymous and the piquant aroma from the radiant fields on the hill-top beyond the winding Charles which permeates the country air is a seductive advertisement of no small influence. Of course we couldn't stay away.

At the time of our visit, foliage and lawns were everywhere of vivid green, all verdure sparkling in the bright sunlight as it only does after a protracted rain in June. The road to the peony fields is well worn with the procession of automobiles and other vehicles which bring many visitors from far and near to see this annual outburst of June glory. All are made welcome and none go away without a gift of blooms as a souvenir of the visit. To the specialist in peony growing, a trip to such a place is full of instructive interest, for Mr. Shaylor has made it his practice for years to buy every new sort as it came out from the leading foreign growers and, as his interest is not wholly a commercial one, he has given much time and study to the reduction of confusion in nomenclature and the proper identification of varieties of merit, thus giving all the advantages of a trial ground, the results of which he is at all times ready to impart freely to the trade.

We find Mr. Shaylor in the midst of the flowers, of course, intent on the developing buds of the novelties which are now making their first acquaintance with an American grower. There are beauties from Lemoine, Dessert and other renowned peony specialists and none of their good or bad qualities escape the scrutinizing eye of this keen critic. The flower exhibited as No. 201 in Mr. Shaylor's collection at the Peony Show in Boston, is none other than the celebrated Lady Alexander Duff. That is, it is presumed to be the true one, although it is the ninth variety received by Mr. Shaylor as Lady Duff. This particular one, however, is well worthy of the distinction and of Kelway's description as "the loveliest peony in existence."

Marie Jacquin is doubling up each year in number of petals. This came to America from Kelway under the name of Bridesmaid and of Lady Helen Vincent, but Marie Jacquin is the original and correct name. The lateral flowers and those that open first are thus far only semi-double, but the stronger blooms are very beautiful in build. The buds are pink flush at time of opening but soon fade to white. Among Lemoine's new varieties



PEONY GEORGIANA SHAYLOR

Solange is sure to attract attention. It is a superb broad-petalled deep-built bloom. The half-opened buds are dull greenish white and give little suggestion of the rich shining salmon-pink of the full opened flower. Mignon, another Lemoine, 1908, is not yet showing its full size and character, but its color is a lovely fresh and pure soft pink, unlike any other in the field. Primevere, an introduction one year earlier promises well. The centre is sulphur yellow and guard petals pink flushed. Le Sygne is a beauty—white with a greenish luminosity in the heart.

Among Dessert's new introductions, Odette is somewhat of a sensation. Between the guard petals and the broad centre petals is seen a circle of finely laciniated petals which make a striking appearance quite different from any other variety. The color is soft flush, outside petals a little deeper. Mme. Jules Dessert, introduced last fall, gives every promise of being a winner. There are four plants here of this variety. The flowers come, of course, in an unde-

veloped shape the first season after importation, but the color is sufficiently indicated to show a pearly shell pink of unrivalled charm, somewhat on the order of Aurore. A new red one—also of 1909—is Francois Rousseau. It is brighter than the old Adolph Rousseau, the petals not glazed but velvety rather on the surface. Pomponette and Mme. Rignoux are two other introductions of last season but there is so far nothing to indicate what they will be. Rosa Bonheur was only partially opened at the time of our visit. It is a decidedly short and stocky grower and the blooms are radiant pink. Theresa is little short of perfection—a pink flower of noble proportions and build.

Among the new varieties from Millet & Son is Mme. Gaudichau, a most distinct novelty. The flower is a glowing dark red with handsome, regular, cupped petals. It is as yet only semi-double but the process of doubling up is well under way. It is unique as to color of stems and leaf stalks which are uniformly dark red in the manner of dark beet foliage.

Mr. Shaylor has but one plant of it, which is presumably the only one in this country at present.

And now a few words about Eugene Verdier, a variety always referred to as a most charming peony. Mr. Shaylor has stock—over 100 plants—as supplied to him under this name by at least three of the most prominent nursery firms. He also has what has been proven to be the true Eugene Verdier. It is absolutely distinct and no one who has had an opportunity to make comparisons will ever again have any difficulty in recognizing it. It is an exceedingly stocky grower, the stems very stout, short, upright and noticeably uniform as to height, the foliage extending close up to the flowers. Mr. Shaylor has Mr. Dessert as authority for the assertion that there is no question but that this is the original variety obtained by Mr. Mechin in 1867 or '68 from Eugene Verdier himself who was then a nurseryman at Paris. Between it and the others which have been traveling under its name, there is no comparison as to foliage, bud, quality or behavior, its superiority in all these respects, being unquestionable. The spurious variety lacks in all these qualities and, further, 20 to 33 per cent. of the buds "break"—that is, one side bursts out while the other remains undeveloped and frequently rots. Some growers, it is said, have pronounced the latter to be *Eugenia Verdier*, but Mr. Shaylor declares that *Eugenia* is also quite different. By some it has been sold under the name of *Potsi Alba*, which is also manifestly wrong.

Georgianna Shaylor, a portrait of which appears on preceding page, holds well up to its previous reputation as an American production of distinct merit. After the heavy rains its thick stem stands perfectly erect, carrying the big blooms well above the foliage and in texture, uniformity and purity of color and thickness and breadth of foliage it has no superior in sight. The only time this variety was shown at Boston it received a first class certificate of merit. It is the only one of Mr. Shaylor's seedlings which he has ever named. He says that he doesn't believe in giving a name to a variety unless he feels pretty sure it will live and be cultivated after he dies.

These notes are intended to be limited to comment on new varieties, but we cannot resist a brief reference, in passing, to that standard peony, *Avalanche*, with its majestic white globes, the inner petals daintly edged here and there with crimson purple; to *Aurore*, with large loose petals of beautiful soft blush (this must not be confused with an American variety called *Aurora*); *Marguerite Gerard*, a pink of noble proportions; *Mme. Galhau*, the star of the recent exhibition; *Baroness Schroder*, which is a model in build and satiny texture, color faint flush deepening towards the centre, than which there is nothing finer. And there are others.

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S. F. CO.

North Dakota.

SEASONABLE NOTES ON CULTURE OF FLORISTS' STOCK.

Asparagus Sprengeri.

This is such a tremendous feeder that a great depth of soil is necessary—not less than a foot deep for its roots to grow in, using a very rich compost. As they have a tendency to work downward a method in favor with some good growers is to grow this asparagus in deep narrow boxes, from 3 to 6 feet long, 12 to 18 inches deep, and about 1 foot wide. These boxes can be placed at the side or end of a house, and this method of culture also makes a change of position at any time possible. The boxes should be raised up to full light so as to give a superb grade of finely developed deep green sprays. Watch for indications of stagnant moisture at the roots, which shows itself by the foliage taking on a yellowish color all over. The remedy is to withhold water for a time. When the boxes or beds get filled with roots, encouragement must be given in the form of liquid manure. Give a night temperature of from 56 to 60 degrees in winter.

Bougainvilleas.

The plants that were rooted in March or April should now be nice strong plants growing vigorously in 4 or 5-inch pots. Shift as they may need until September when they should be in their flowering size, say 6 or 7-inch pots. They like the fullest light possible and delight in a high temperature, providing the atmosphere is not kept too moist during the summer, which would interfere with the wood getting well matured. Without well-ripened wood you will not succeed in having good blooms. Care should be taken that the soil does not get too dry, otherwise many of the shoots will receive a check which will cause them to set a few bracts of flowers prematurely in place of producing a full crop. If plunged in some material on the benches the pots will not dry so often, thereby saving much labor and the plants will thrive better as the pots will be kept cooler. When the growth shows signs of ripening in October a slight drying off can be practiced, but be careful not to dry them off too suddenly.

Care of Planted and Plunged Out Stock.

A large part of the florists' stock is raised into salable or flowering size by field culture. Good cultivation is essential to all glass-house plants. It helps to give them vigor and size during their few months' sojourn in the field. Keep the ground clear of weeds by frequent hoeing, with proper care as to trimming, stopping and tying where needed. Being now fully exposed to the sun and air, plants that are plunged will require a constant supply of water. It would be impossible to say how much or often as the weather, the constitution and habits of the plants, and also the size of the pots, will make a material difference in that respect. Crotons, dracaenas, ficus, hydrangeas, roses, vincas and other plants in a dry season require plenty of watering and are also benefited by a spraying after every hot and sunny day. Pots that are plunged should be turned full around in their seats at least once a week to prevent

the roots from striking through the bottom of the pots into the outside soil.

Cinerarias.

It is well to make three sowings—one early in July, another about the middle of August, and the last sowing the middle of September. The two last dates are the best for most growers as they will have them from February on to Easter, which will be late next year, April 16. Be sure and obtain your seed from some reliable firm as it is an unpardonable mistake to invest in a cheap and poor grade of seed. Prepare well-drained flats or pans of soil, three parts loam to two parts leaf mould, with one-sixth of sand. Press the surface smooth, plunge the pan or flat in a tub of water till the water appears over the top, and then sow the seed evenly on the surface. Cover with a piece of glass, then shade the glass with paper and place in cold frame. When the seedlings are large enough to handle, prick out into flats of similar soil. Give frequent shifts, using a stronger soil each time. Keep moderately moist at the roots and under a heavy shade to be made lighter as the fall advances. Keep them out as long into the fall as possible, guarding, however, against frosts. Fumigate often as they are liable to green-fly. Give plenty of fresh air.

Pelargoniums.

Those who grow pelargoniums should now prepare the plants to produce cuttings to be taken in August. They should be kept rather dry for the next six or eight weeks. Then cut them back hard and moderately water until they have broken. The top growth can be cut off with three or four eyes which will root readily with a slight shade and moderate amount of moisture. They will not root as quickly as most plants, but in five or six weeks will be ready for 2½ inch pots. Grow them on in very light and airy house well up to the glass. Due attention should be paid to pinching to keep the plants symmetrical. Strong and fine plants can be grown from these if they are repotted as required and should be flowering by next April or May.

Poinsettias.

You should be getting ready to propagate your stock of poinsettias now, rooting cuttings for benches or pots. It is too early yet to propagate for pans intended for Christmas sales. About July 10th is a good date to propagate for pan culture. Any ordinary greenhouse or frame can be used for propagating purposes. Never let them wilt for the want of water. If you do they will shrivel up and perish in the sand. It is also necessary to keep them shaded from the sunshine. Guard against sunshine and draughts and see that bed is kept saturated and you will have no trouble in rooting a high per cent. The best cuttings are those rubbed off with a heel. See that the leaves are trimmed off fairly close before inserting the cuttings.

JOHN J. M. FARRELL.

Mr. Farrell's next notes will be on the following: Hollyhocks; Housing Carnations; Ivies; Nepenthes; Primulas; Oncidiums.

PARIS SPRING SHOW

This year the Spring Show of Fruit, Flowers and Vegetables held by the National Horticultural Society of France was announced as an international one, and in conjunction with it there was a Rose Growers' Conference. Of the latter we have but little to say in our account of the show, which was attended by a large number of visitors from almost every country in Europe.

The show opened on the 25th of May and closed on the 31st, and was indeed one of those horticultural treats that seldom fall to the lot of the ardent lover of gardening. American visitors to the great 1900 Paris Universal Exposition will remember the two large greenhouses that were erected on the Cours la Reine, just between the Champs Elysees and the river Seine, in which several grand displays were held during that year and which remained for some few years after. But the time came when the Municipal Council deemed them dangerous and they were consequently removed. The site, however, remained and the National Horticultural Society in their place have erected what they call a tent, but which is in reality an immense exhibition hall, 400 yards in length, constructed of a light framework of wood and iron girders, the whole being covered in with canvas and here the May show was held.

On one side of the hall was a long promenade, on the other a walk reached by a flight of steps leading down to the river side. In the rear of the building there was another promenade leading to the back entrance. This one was laid out with four alleys, each having a border of some 6 or 7 feet in width running the whole length of the promenade to the exit side. Tastefully placed at intervals were groups of decorative shrubs and conifers by A. Brochet, Paul Lecollier, Croux & Son and Marcel Picquefen. The borders were filled with some grand examples of trained fruit trees, such as one sees only in France. The two other promenades mentioned formed admirable sites for numerous displays of garden sundries.

We entered the show by the principal entrance near the Pont des Invalides, passing a large circular basin with a fountain playing and right and left a showy group of rhododendrons by Derudder, an outside taste of the many floral joys within. Along each side of the show hall are borders going from one end to the other. In the middle are many artistically shaped beds edged with green turf and gravel paths intervening.

The color scheme is well devised. We compliment our friend Vacherot on his never-failing artistic taste. Two grand banks of rhododendrons greet us right and left, Croux & Sons being the exhibitors. At the far end Moser & Son have set up an enormous bank of the same plant in a winding fronted group. Azaleas also make a glowing display.

On account of the International Rose Conference there are of course many large and important exhibits of the Queen of Flowers. The space at our command will not allow more than the briefest mention. Geo. Boucher had two borders right and left filled. Honore Defresne had four or five collections. Te Niklaus showed a long

bed of roses standards at back with small bush plants in front. The famous rose growers, Leveque & Sons, made a big display with numerous beds. But of all the exhibits Auguste Nonin certainly put up the most attractive. He had a rose garden with a central path; at each end an arch of rambler roses. Between these standard, bush and pillar roses the varieties being Torsendschon, Dorothy Perkins, Mrs. Flight, Hiawatha, White Dorothy Perkins, Phyllis, Lady Gay, etc. At one end some fine plants of *Authemis Perfection Rose*, and *A. Etoile Blanche*; at the other, *Hydrangeas La Lorraine*, *Avalanche*, *La Fraicheur*, and others.

The room devoted to orchids, after our experience a few days before at the Temple Show, appeared almost insignificant both in extent and in arrangement. We should, however, mention Maron & Sons' collection of cattleyas and laelio-cattleyas, etc., and M. Graire's odontoglossums. M. Beranek had also a very artistic and rather large display flanked at each end with anthuriums and ornamental foliage plants. M. Bert also staged cattleyas, laelio-cattleyas, etc. Across the hall Geo. Boucher's collection of clematis commands admiration.

A great show like this cannot have justice done to it in a few short paragraphs. One house alone—Vilmorin-Andrieux & Co.—sent such a mass of material that it would have made a big exhibition by itself. As we turn to descend the steps leading to the lower promenade by the river side we stand and gaze with admiration at the extraordinary variation of the products on view. The immense collection of annual, hardy, herbaceous and other flowers in veritable sheets of color was divided into two portions through which the visitors passed to the steps. A water scene fed from a rock-work construction in the back continued till it came to the slope by the steps and then terminated in a mass of rock-work to the bottom of the steps, the nooks and crannies of which were filled in with numberless Alpine plants in flower.

We return to the middle of the hall and admire a large collection of water lilies in a circular pond exhibited by M. Laugrange, and then pass a large mixed collection of amaryllis and other flowers of the season in several distinct lots, all shown on the ground level by Cayeux & LeClerc, Parisian seedsmen of considerable repute.

A similar exhibit comes from C. Angel & Son, in which iris, *eremurus*, peonies, tulips, anemones, gladioli, etc., predominate; also fine collections from M. Ferard.

Among the miscellaneous groups from many prominent specialty firms were violas, hydrangeas, lilacs, irises, cannas, begonias, etc., and a new ivy-zonal pelargonium, semi-double, pale blush and spotted rose, called *President Desseine*, was shown by Le Cou-teulx & Son. M. Foucard showed a new *calceolaria*, "*Soleil*." There were many imposing groups of pelargoniums from well-known firms. The most dazzling display of zonals was made by E. Poirier, who had two large beds with single-flowered kinds massed in colors separate by themselves. The form was each color in separate panels, the

trusses packed close up together, with the consequence that being below the visitor's eye the whole was a perfect blaze. This style is peculiar to the French show and is striking in its effect. Peonies from Aug. Dessert, a grower not unknown to American admirers, were shown in endless numbers. Collections also came from Benoise Riviere and A. Brochet. Ferns and foliage groups were in fine form, many of them of great extent and variety. A lovely display of stove species was made by Chantrier Bros. Louis Dahl set up a huge bank of palms, enlivened with dracaenas. Dere Desmond's foliage begonias and M. Vazon's graceful arrangement of decorative foliage plants were superb.

Among carnations there was an attractive display of C. Engelmann's new crimson, "*Carola*." Another English firm, G. & A. Clark of Dover, sent a very pretty general display of sweet peas arranged in vases in a kind of arch, beneath which were garden flowers in dazzling array with succulents and ivy pelargoniums, making one of the prettiest lots in the show.

In the section for Floral Art there was a large number of admirable compositions such as only the Paris florist can set up. M. Lachaume, the eminent floral decorator of the rue Royale, had quite an important series—one of them was a bower within a trellis of rambler roses. A breakfast table set and ornamented with numerous orchids and roses formed a conspicuous feature in the centre. (See cover illustration, HORTICULTURE, June 18.)

Lachaume's designs were all more or less of a piece, and occupied much space. One was a window overlooking a balcony decorated with blue and pink hydrangeas; on the pedestals of the balcony were basket draped vases of the same and below a mixed border of flowers. Quite effective and original was an entire sitting room furnished with Louis XIV furniture and decorated with rich floral compositions in vases, bowls, etc., standing about the room. A trellis alcove decorated with climbing roses, smilax, clematis, herbaceous *calceolarias* and a corner containing many samples of less pretentious floral art work, but all of the choicest characters, were only some of the extensive displays made by Lachaume.

Ed. Debrie, another noted man in this line, had table decorations of the choicest kind. One huge upstanding basket on a pedestal filled with white lilies and white lilac, was a sight not easily forgotten. Roses in various shaped vases, table decorations, and stands filled with flowers in every conceivable way drew forth the admiration of many visitors who are not by any means unaccustomed to see fine floral artistic work.

Very choice was a neat little lot of Japanese richly colored maples staged by Leconte and Martin.

Fruit, almost wholly forced, was displayed in handsome plate glass cases, each kind being arranged in neat little boxes or baskets, in the daintiest of styles, and in quality and variety that beggars description, and which made a remarkable sight.

Vilmorin-Andrieux & Co. had several most comprehensive lots of vegetables which as usual contained every con-

ceivable thing in season. Only those who have once seen an exhibit from this famous house can imagine the variety, the extent and the excellence of these groups, and there were many other notable exhibitors whom we should like to mention if space would permit.

In conclusion we may mention that there was the Retrospective Rose Show about which we may have something to say later. There was also a literary department for gardening books and journals, and an exhibition of the fine art section in which there was a very extensive collection of pictures of fruit and flowers in oil and water colors by well-known artists connected with the Society. An original feature was M. Geo. Truffaut's scientific exhibition. This comprised in small glass cases, worms, moths and other insect pests at work, a most life like and instructive collection. An art gallery of paintings of fruit, flowers, etc., formed another important feature and there was also a large array of books and literary matter from the various French horticultural publishers. In all there were no fewer than 317 exhibitors in the show, some of them appearing in several classes. The winners of the chief prizes were: First grand prize of honor to Vilmorin Andrieux & Co.; second grand prize of honor to Croux & Son; prizes of honor to Leveque & Son, Cordonnier & Son, Debrie-Lachaume, Graire, Page, Ferard, Maron & Son, Moser & Son, Geo. Truffaut, Nombrot-Bruneau, etc.

Altogether a grand display of garden produce arranged with great taste as a whole and producing a general spectacular effect unequalled in the British Isles. At Paris the individual lots are subordinated to the general effect and the result reflects the greatest credit on those who design the show plan.

(Signature) C. HARMAN PAYNE.

WHERE THE S. A. F. HAS MET.

To please an interested subscriber, kindly give a list of the yearly meeting places of the S. A. F. since its foundation to the present time and oblige

BEN STARKEY.

Care Pennock Bros., Philadelphia.

The S. A. F. has held annual conventions as follows:

1885, Cincinnati, O.; 1886, Philadelphia, Pa.; 1887, Chicago, Ill.; 1888, New York City; 1889, Buffalo, N. Y.; 1890, Boston, Mass.; 1891, Toronto, Ont.; 1892, Washington, D. C.; 1893, St. Louis, Mo.; 1894, Atlantic City, N. J.; 1895, Pittsburg, Pa.; 1896, Cleveland, O.; 1897, Providence, R. I.; 1898, Omaha, Neb.; 1899, Detroit, Mich.; 1900, New York, N. Y.; 1901, Buffalo, N. Y.; 1902, Asheville, N. C.; 1903, Milwaukee, Wis.; 1904, St. Louis, Mo.; 1905, Washington, D. C.; 1906, Dayton, O.; 1907, Philadelphia, Pa.; 1908, Niagara Falls, N. Y.; 1909, Cincinnati, O.; 1910 will be Rochester, N. Y.

The Van Houtte Centenary Celebration at Geudbrugge promises to be of an impressive character, and attended by an immense number of people. The festivities on the first day will conclude with a banquet at the Casino of the Societe Royal d' Agriculture et de Botanique, and it will be attended by numerous admirers of Louis Van Houtte, horticulturists and others.



ORCHID DISPLAY OF W. A. MANDA
at Boston Orchid Show.

Photo. by Geo. E. Dow.

OBITUARY.

Charles Eissner.

Charles Eissner, a well known florist in the East End, Pittsburg, Pa., died at his home 224 Emerson St., recently. He conducted stores at 6103 Penn Ave., Pittsburg and 827 Wood St., Wilkinsburg. He leaves one sister and one brother.

Mabel R. Gordon.

Our deepest sympathy goes out to our esteemed old gardener friend, George Gordon, of Beverly, Mass., in the sudden bereavement and sorrow which has come upon him in the death by drowning of his daughter, Miss Mabel Gordon. Miss Gordon was 29 years of age and a graduate of Wellesley College. She had been in rather poor health for the past two years, due to a nervous breakdown, and had been for some time at the Nervine Hospital in Jamaica Plain.

Gottlieb Graul.

Gottlieb Graul, aged 107½ years, the oldest person in Cincinnati and one of the oldest in the entire country, died peacefully in the German Altenheim on Burnet avenue, Cincinnati, Saturday morning at 12.30.

Graul's extreme age, his fund of information concerning early Cincinnati and his droll humor made him one of the unique characters of the city. He was known and esteemed highly by thousands of Cincinnatians, especially Germans. He was born in Nordhausen, Germany, on December 26, 1802. His father was chief gardener to the King and young Graul was placed by his father on the royal estates to become a forester. But he quit his position, preferring to become a landscape artist and gardener. In this capacity he served the royal house. For a time, about eighty years ago, he served at Weimar on a beautiful estate where the great German poet, Goethe, lived.

Graul came to America and was in

the employ of the German official at Orange, N. J., when Nicholas Longworth, grandfather of Congressman Longworth, sent for him to take charge of his large vineyard where Eden Park is now situated. He afterwards served with a number of prominent families in the capacity of landscape gardener, retiring a few years ago.

PRIZE LISTS RECEIVED.

Horticultural Society of Chicago.—Preliminary Premium List for the Annual Fall Exhibition to be held at the Coliseum, Chicago, Ill., in November, 1910. Secretary, J. H. Burdett, 1620 West 104th Place, Chicago.

New Haven County Horticultural Society.—Preliminary Schedule of the Tenth Annual Exhibition to be held in Music Hall, New Haven, Conn., on November 1st, 2nd and 3rd, 1910. Secretary, Frederick H. Wirtz, 86 Nicoll St., New Haven, Conn.

New Bedford Horticultural Society.—Schedule for the Eighth Annual Fall Exhibition of Plants, Fruits, Flowers and Vegetables to be held in Odd Fellows Hall, New Bedford, Mass., September 15, 16, 17, 1910. Secretary Wm. H. Richardson, New Bedford.

NEWS NOTES.

Dallas, Tex.—A certificate of dis-solution was filed by the East Texas Nursery Co., of Tyler.

Louisville, Ky.—A three-story warehouse on the farm of H. F. Hillenmeyer was burned recently with a loss on building, machinery and nursery supplies of about \$2,500, with no insurance.

San Francisco, Cal.—The MacRorie-McLaren Co. inform us that their five greenhouses of steel construction are about completed and they are commencing to erect a lath-house 75 x 300 feet. Five more houses will be put up this coming spring. The present houses will be filled chiefly with orchids.

NEWS OF THE CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The announcement that the June meeting—the last until September—would be Ladies' Night, sufficed to draw an attendance of considerably over two hundred to Horticultural Hall on a very hot night—Tuesday evening, June 21.

Routine business was expedited as much as possible. William Downs reported progress on the part of the Executive Committee in its preparations for the entertainment of the many distinguished ladies and gentlemen who are expected to attend the National Flower Show next spring. A rousing letter was read from E. Allan Peirce, who was unavoidably absent, urging the importance of the proposed show and the necessity of getting together a representative attendance from Boston at the Rochester convention in August. Secretary Craig warmly endorsed the sentiment of Messrs. Downs and Peirce, and asks all New Englanders who propose to make the Rochester trip to communicate with him so that arrangements for mutual advantage and comfort may be made.

Our report of the previous meeting of this club mentioned that it was the first meeting in over five years in which there was no applicant for membership. The secretary informs us that before the close of the meeting a name was proposed and accepted, so that, up to present date inclusive, when several additions were made, the line remains unbroken. It was announced that the oldest member of the club, Mrs. E. M. Gill, would celebrate her eightieth birthday anniversary on next Wednesday and the secretary was instructed by a unanimous standing vote to extend to Mrs. Gill the congratulations and good wishes of the club.

On the exhibition tables were *Catleya gigas*, a well-flowered plant from Wm. Downs, *Lupinus polyphyllus* Moerheimi from Blue Hill Nurseries, both of which received honorable mention; *Dahlia* Jack Rose from W. C. Ward, and strawberries from Wilfrid Wheeler, each of which received a vote of thanks.

The proceedings were then turned over to the entertainment committee. Songs were rendered by Hugh Miller, bass, sea songs; Gus. Collins, Harry Lauder songs; John Miller, tenor, love songs; Miss Margaret Alexander, Scotch songs; two little misses gave dances in costume; between each of these, all of which, by the way, were vigorously encored, brief speeches were made by E. O. Orpet, who is soon to leave Boston to locate in the West, ex-President James Wheeler, ex-President T. H. Westwood, ex-President Wm. Downs, ex-President Wm. J. Stewart and Thomas J. Grey, all full of congratulatory enthusiasm. Then the ice cream, cake and strawberries had their innings and the hundred ladies present warbled and cooed their appreciation of Boston's pet organization and its gallant presiding officer, Peter M. Miller.

AMERICAN GLADIOLUS SOCIETY.

The officers of the American Gladiolus Society are extremely busy these days. The large volume of inquiries, and requests for membership application blanks demonstrates the great popularity of the gladiolus today and the importance and necessity for such a society.

The interest in this movement is not confined to America, for two of the great specialists of Europe are among our charter members and our first meeting at Boston developed a strong sentiment for an International Society. There is much encouragement in the fact that the amateurs have taken hold of this movement so enthusiastically. This was evidenced by the large enrollment of amateurs on the charter list at Boston. Since I sent in the list of prizes offered for the Rochester exhibition the following have been received:

Stunipp and Walter Co., New York City, \$10.00 in gold for the best 12 shades in any varieties. Weeber & Don, New York City, \$10.00 in gold for the best 10 varieties to include Baron Hulot, Princeps and Contrast, 3 spikes each. A. L. Miller, Brooklyn, N. Y., \$5.00 in gold for best display of pink and white varieties, 3 spikes each, of at least six varieties. F. R. Pierson Co., Tarrytown, N. Y., \$10.00 in gold, class to be decided later. E. H. Cushman, Sylvania, O., \$5.00 in gold for vase of best 25 spikes white, any variety. A. T. Roddington, New York, \$10.00 in gold, class to be decided later. John Lewis Childs, Floral Park, N. Y., \$10.00 in gold for best collection of gladioli, Childs' varieties, 3 spikes each, to include Attraction, Blanche, Cardinal and Wild Rose; \$5.00 in gold for best vase of America not less than 12 spikes. I. S. Hendrickson, Floral Park, N. Y., \$5.00 in gold for best vase of Contrast, not less than 12 spikes. J. M. Thorburn & Co., New York City, silver cup for best collection of Gladiolus Primulinus, type and hybrids, to be exhibited by an amateur.

L. MERTON GAGE, Cor. Sec.

AMERICAN ASSOCIATION OF NURSERYMEN.

Among the more important actions taken by this association at its recent session in Denver, Colo., was the agreement to abolish the custom of replacing trees which fail to grow for the buyers. Another resolution was passed with the object of putting a stop to price cutting, and all stock not salable at standard price will find its way to the ash heap if the proposition carries out in practice. According to the nurserymen the State Horticultural Society is wrong in holding that the diseases known as root knot or crown gall are contagious and the law compelling the destruction of stock affected is pronounced unjust, and an effort will be made to secure its repeal.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting was held on Tuesday, 21st inst., routine business only being transacted. The date of the Sweet Pea Exhibition was fixed for Thursday, June 30th, 3 to 10 p.m. This promises to be a very good show, there being twelve classes for Sweet Peas, also classes for Hardy Perennials, Gloxinias and seasonable vegetables. DAVID RUST.

CLUB AND SOCIETY NOTES.

The vote of the American Peony Society at Boston, selecting Philadelphia as their meeting place in 1911, was in response to an invitation from the Pennsylvania Horticultural Society, which they knew was on the way but which had not been received at the time of voting. The official document, duly signed by Secretary David Rust, arrived the following morning and was placed in the archives.

It is a source of satisfaction to the Royal Horticultural Society to find that the amount of money taken for admission to the Temple Show was in excess of that of last year. There was less crowding of the tents than usual, many of the Fellows having taken advantage of visiting it on Wednesday morning, when the show was reserved for their inspection, and by this arrangement the crush on the Tuesday was greatly relieved.

DURING RECESS.

New York and New Jersey Association of Plant Growers.

The Association's Fourth Annual Outing will be held at Mountain View House, Lake Hopatcong, N. J., on Thursday, July 7, 1910. The members and their friends will meet at the Delaware, Lackawanna & Western R. R. Depot, in Hoboken, N. J., and there take the 8.15 a. m. train, to which the Association's special cars will be attached.

The committee has arranged many contests for prizes for both gentlemen and ladies, and the amusements provided will consist of bowling, shooting, boating, dancing, bathing, tennis, billiards, etc.

The price of tickets is \$4.00 per person and the same includes all transportation charges, luncheon, dinner and all expenses. The secretary, Wm. H. Siebrecht, Jr., 277 Broadway, New York, is desirous of knowing as soon as possible how many to provide for and members and others intending to participate in this delightful outing are earnestly requested to make known to him at once how many tickets will be required. The committee in charge consists of H. C. Steinhoff, Julius Roehrs, Jr., and Herman Schoelzel.

Astoria Florists' Bowling Club.

Last Saturday, June 18th, the Astoria (N. Y.) Florists' Bowling Club attended a matinee at the Broadway Theatre and saw the performance of the "Summer Widowers;" then they had dinner at Shanley's. After dinner they went to the New York Theatre and witnessed "The Merry Whirl." Strenuous times for the Astoria bowlers. There were 22 in all, with their wives. The tables at Shanley's were handsomely decorated with smiles, carnations, roses, etc. Favors were provided for the ladies.

Chicago Bowlers.

Standing up to date:

L. Vaughan.....170	E. Farley.....164
T. C. Yarnall.....169	Wm. Graff.....160
J. Zeck.....167	Geo. Asmus.....159
J. Huebner.....165	Ed. Winterson.....154
F. J. Pasternick.....164	F. Ayres.....145

AMERICAN SEED TRADE ASSOCIATION

Annual Convention at Atlantic City, N. J.

The American Seed Trade Association closed a successful meeting at Atlantic City on Thursday, June 23d. Seven years ago they held a meeting at Atlantic City, at which time Mr. Walter P. Stokes of Philadelphia, was the president and Hon. S. F. Willard, secretary, and they then elected Mr. Willard to the position of president and he was highly commended by Mr. Stokes in installing him to that office. Both these gentlemen are now away in Europe, it being perhaps the first meeting that Mr. Willard has ever missed attending of the American Seed Association. The weather throughout the dates of the meeting was delightful and all other conditions favorable. There was a representative attendance, and under the leadership of Mr. J. C. Robinson and permeated by his genial personality every feature of the proceedings moved along smoothly and harmoniously. His address at the opening was sound and wholesome and thoroughly practical, and of itself confirmed the good judgment displayed in his election a year ago. Reports by the secretary and treasurer, Mr. C. E. Kendel, of Cleveland, showed that the membership was holding its own, and the finances in an encouraging condition. The following new members were duly elected, Herman Simmers of J. A. Simmers, Toronto, Can.; J. Edward Schultz, Washington, D. C.; Diggs & Beadles Co., Inc., Richmond, Va.; J. F. Noll & Co., H. G. Hastings, Atlanta, Ga.; Frank W. Howard, Pittsfield, Mass. President Robinson proposed for honorary membership, Mr. F. W. Bruggerhof of New York City, who was unanimously elected, and was informed by telegram and returned his acknowledgments and regret at inability to be present at convention and banquet. In order to carry out certain proposed good works, it was proposed to raise the membership fee to twenty dollars, double the former dues. This was amended to fifteen dollars and in amended form unanimously adopted. Mr. Albert McCullough, one of the delegates to national board of trade, the other being W. Atlee Burpee of Philadelphia, presented their report in part as follows:

It is the aim of the National Board of Trade, of which the American Seed Trade Association is a constituent member to keep all of the trade bodies supporting the Washington headquarters informed of what is going on. This will enable every commercial organization in the United States to come in direct contact with the various committees of Congress, to arrange for hearings before committees of House of Representatives and Senate and co-operate with respective committees of the National Board of Trade so that the opinion and influence of business men of the country may be exerted during the entire session of Congress.

The transportation interests, conservation of National resources, diplomatic and consular service, banking and currency, renewal of trade treaties

and postal affairs are among the important questions and subjects taken up at the last meeting. Mr. Frank D. LaLann, president National Board of Trade has been appointed by Secretary of State Knox as delegate to represent the United States at the Fourth International Congress of Chambers of Commerce and Commercial and Industrial Associations to be held in London, England, June 21st, 22nd and 23rd, 1911.

The questions to be taken up by the Congress are many and all of national interest. Mr. W. Atlee Burpee has been appointed a member of the council and Mr. Albert McCullough, one of the managers of the National Board of Trade. The National Board of Trade is taking on new life and through its commissioner Mr. Anderson, its work will be felt this coming year more than ever before. The American Seed Trade Association is at liberty at all times to call upon the commissioner for information as to what is going on in Congress and in this way keep posted and properly advised when there is any bill introduced in which we are directly interested.

Chas. H. Breck, C. H. Coy and W. F. Jones were appointed as obituary committee. Chas. H. Breck, E. L. Page and C. F. Wood were named as committee on recommendations in the president's address. Committee on customs and tariff, J. C. Vaughan, chairman, reported they had received no complaints as to the workings of the present Payne law, though the average advance in duties is probably thirty to thirty-five per cent. over what was paid on *ad valorem* basis. The customs operations as to seed importations are being handled with less friction than ever before. Francis Brill's paper on "The Past, Present and Future of the Seed Business in America," was then read. No discussion. No report was received from committee on irrigation of old Eastern farms or the committee to confer with nurserymen and florists. The auditing committee, Simeon F. Leonard, John W. May and Harvey Mixson, reported the books O. K. The delegates to the National Council of Horticulture presented a report through Secretary Kendel showing continued good work and progress, and the usual sum was voted for use of the press bureau of the National Council of Horticulture in the interest of seed trade.

President Robinson announced that Prof. Chas. D. Woods was unable to be present and deliver his address on state legislation and expressed regret, in which the convention joined. George E. Green, chairman of committee on seed legislation, submitted a comprehensive report showing the condition of present and probable future legislation and work done in enlightening legislatures and Congressmen as to the true conditions of supply. He recounted the work done in Boston last December by a conference of representatives of various seed trade organizations and the National Association of Official Seed Analysts.

At this meeting it was the unanimous conclusion that if seed legislation is enacted in various states it should be reasonably uniform in character so that inter-state trade shall be restricted as little as possible. It is quite generally conceded that if reference to germination can be kept out of the seed laws it will tend to unify efforts all along the line to protect the public and the trade as well. The committee believes that quality restrictions should be only such as are necessary to protect against fraud but leave commerce free. A bill was prepared and is being considered that will include these views and it is hoped will tend to uniformity in legislation on seed subjects.

Correspondence was read showing a liberal attitude on the part of Congressmen and a desire to inform themselves fully before enacting laws which otherwise without due consideration and information could not help but be hurtful to all interests and to safeguard the public. Representative Mann expresses determination to refrain from hasty and ill-considered action and is willing to receive the views of seed men and others. Any legislation should not include under the same provisions the widely different classes in production and use, such as garden seeds and bulbs on the one hand as opposed to grass and clover seeds on the other. Arbitrary standards are declared against for reasons given. The best methods of testing seeds for purity and germination which are now in use are not sufficiently uniform and accurate, and the vitality of seeds is not sufficiently stable to warrant imposing heavy penalties for the sale of seeds falling below a certain arbitrary standard. While purity and germination constitute the only basis available for arbitrary standards, they are by no means a complete or accurate measure of the actual value of seeds to the user thereof. Many other qualities enter into the value of seeds such as color, size, locality of production, trueness to type, excellence of strain, etc. These considerations make it manifestly unjust to allow the terms "United States Standard" to be applied indiscriminately to all classes of seeds of certain variety which might reach certain standards of purity and germination. The apparatus and methods for making tests are only now in process of evolution and not by any means perfect. No legislation should restrict or prohibit exportation of any class of seeds having commercial value in any foreign country. For example, there are climates and countries where dodder does not thrive and there is no sound reason either commercial or moral for absolutely prohibiting exportation of such seeds. On the contrary, such prohibition would tend to cause such seed to be resown within our own country. If the original Mann bill had become a law it would have absolutely disorganized all existing methods of handling the seed business. If any large proportion of many proposed state laws had passed they would have

had the same result. But the prospects are that future state laws will be guided by wisdom and this is ardently hoped for.

Chas. N. Page, vice-chairman in charge of state seed legislation, in his report dealt with the state aspect. He declared that seed dealers have never seriously objected as a class to reasonable legislation which was intended to serve a good purpose, but most of the earlier bills introduced were unjust, ill-considered and unfair, and therefore met merited condemnation at the hands of legislators, as the proposers of such bills showed ignorance of conditions under which the seed trade is conducted and it would be absolutely impossible for seed dealers to carry out the provisions in many cases. But the seed trade protests against any legislation which would make law-breakers or criminals of honest men who are engaged in a reputable and useful calling and who are willing at all times to assist in the preparation of reasonable legislation.

A paper was read by Curtis Nye Smith on the relation of State seed laws to interstate commerce in which he congratulated members of this and kindred organizations on the newly awakened and effective interest taken in this matter which will benefit seedsmen and public alike. The problem is a serious one as seedsmen are often called to pay excessive license fees or purchase stamps for tax where unexpected and not allowed for under their contracts of sale. The legal relationship of state and federal laws is a question of constant and growing perplexity and complication. The right to sell in the original package in which the article is imported into the state is as much an inherent part of interstate commerce as is the actual transportation of commodities between the states. States have found a way to exercise power not rightfully theirs by what is termed, "Police power." The speaker went on to deal with various aspects of interstate commerce in seeds, what constitutes delivery and other interesting and vital matters to seedsmen. He said it is inadvisable at this time for sales to be made C. O. D. in states of Iowa, Georgia, Vermont, and possibly Colorado. Such sales are safe in Alabama, Arkansas, Illinois, Kansas, Kentucky, Maine, Massachusetts, Nebraska, New Hampshire, New York, North Carolina, Pennsylvania, Texas, West Virginia.

Further explanations of interesting questions make the paper valuable to all seedsmen and growers. Present laws where impracticable and unconstitutional cannot be too soon substituted by legislation of uniform and sane kind, fair to all interests. This Association and the official seed analysts are to be congratulated upon their cordial co-operation along these lines. The Association is capable of taking a leading part in these necessary reforms and by so doing will merit the commendation of all seedsmen and the public generally. The paper received the thanks of the Association and Mr. Smith was re-employed as counsel for ensuing year.

Crop reports by Messrs. Keeney, E. B. Clarke, Leonard, Robinson, were an appreciated feature and will be enlarged on at future conventions. Report of the committee on postal laws

presented by Mr. Vaughan. An interesting feature of the report and discussion was the matter of the recent more stringent enforcement somewhat extensively of the old regulation regarding the requirement of enclosing seeds in transparent coverings. This was discussed by Messrs. Allan, Burpee, Robinson, Ford, Maule, Hastings, Belgiano and Page. The regulation only applies to sealed packages or packets. Paper manufacturers are taking interest in finding proper materials for envelopes and covers. Postmasters at the larger cities are liberally disposed but unable to do away with the regulation, while postmasters at small places at destinations rigidly and literally enforce the regulation oftentimes. Some general remedy is necessary and in absence of modification by the department, seedsmen must find some practicable means to comply with the law, which they are endeavoring to do as speedily as possible, but in many cases large stocks on hand will entail loss in compliance.

A paper by George H. Clark, Canadian seed commissioner, was read. In an interview with the reporter Mr. Clark said: "The attitude of the American Seed Trade Association both at the Boston Conference with the Association of Seed Analysts and at this convention seems a clear indication of a desire on its part to deal fairly with the question of seed trade legislation. It is my opinion that after a few years the present difficulties will clarify themselves and through education on seed matters will resolve themselves favorably to all concerned. I am informed that the quality of seeds now demanded throughout the United States as in Canada is markedly superior to that of five years ago. Canadian experience has been that we are not able to make good farmers by legislation; the principal benefits derived from the Canadian seed legislation have arisen in the protection of the legitimate trade against careless or unscrupulous and designing vendors. Today there is a wider range of prices paid to farmers as between high class seeds and lower grades which has had marked effect in discouraging production of seeds in lands that are foul with noxious weeds." Clark's paper was discussed by Messrs. Page, Robinson, Kendel and others, and interesting points brought out, with reference to effect of striation on germination of hard-coat seeds, and difference in percentage of germination in seeds of varying ages, those of greatest age sometimes showing greatest percentage of germination. Replying to a query by Asst. Com'r of Agriculture Hays the speaker said sweating if not too prolonged favored germination otherwise depleted vitality of seeds.

A paper by Hon. Willet M. Hayes, Assistant Secretary of Agriculture, on Recent Science in Plant and Animal Breeding, was listened to with close attention. A very interesting paper on The Spencer Type of Sweet Peas was presented by W. Atlee Burpee.

Dr. W. W. Tracy, of the Department of Agriculture, Washington, D. C., commenting on Mr. Burpee's paper, said it was "Especially interesting because it brought out some principles

of seed growing which are not generally recognized, namely, that there is a gradual development in aspects as a result of which we have a sudden break in varietal character. Such breaks may occur in a number of different locations, identical in each case, the same variation, and when occurring it is comparatively easy to establish an entire new race based on such variation. The same principle is illustrated as developed in the case of lima beans which in a single year, in a number of different places and from a number of different varieties, developed the same dwarf habit, something previously unknown.

The Banquet.

The banquet on Wednesday night at the Strand Hotel was attended by 175. Albert McCullough was toastmaster and responses were made by President J. C. Robinson, Frank C. Woodruff, C. F. Wood, Kirby White, Herbert Quick, Editor Farm and Fireside, and others. The menu was interspersed with monologues on Irish humor and satire by Lawrence Sharkey; vocal music by La Favorita concert quartette; concluded after midnight.

A number of members and ladies enjoyed a sail on the yachts Princeton and Viking on Wednesday afternoon, while others went to Philadelphia to visit Maule's establishment and Floracraft.

On Thursday morning there was a report by the committee on the president's address and on the seed analysts' conference. The obituary committee reported on the death of William Eber, Quincy, Ill.; James J. H. Gregory, Marblehead, Mass.; John H. Allan, Picton, Ont., and Isaac Funk, Bloomington, Ill. A presentation to President Robinson was a pleasing feature and agreeable surprise.

List of Attendants.

There were present on the opening day the following named firms or their representatives:

E. C. Luck and wife, Kansas City, Mo.; C. H. Allen, Floral Park, N. Y.; F. W. Belgiano & Co., Washington, D. C.; Jos. Grek & Son, Boston, Mass.; C. S. Briggs and wife, Rochester, N. Y.; Francis Brill, Hempstead, N. Y.; Geo. R. Brunjas and daughter, Brooklyn, N. Y.; J. Buffington & Co., Baltimore, Md.; W. Atlee Burpee, Philadelphia, Pa.; Cadwell & Jones, Hartford, Conn.; Arthur H. Goldsmith, Floral Park, N. Y.; C. H. Coy and wife, Valley, Neb.; Crabbs, Reynolds Taylor Co., Crawfordsville, Ind.; Chas. Dickinson, Chicago, Ill.; The Albert Dickinson Co., Chicago, Ill.; E. F. Squires, A. W. Chaefer, Frank Lukes, Chas. D. Boyles of S. W. Flower & Co., Toledo, Ohio; Ford Seed Co., Ravenna, O.; W. H. Greuell, Pierepont Manor, N. Y.; Melvin S. Griffith and wife, Baltimore, Md.; Geo. W. Gurney, D. B. Gurney, Yankton, S. D.; Alexander Forbes of Peter Henderson & Co., New York; Hogg and Lytle, Toronto, Canada; H. Holmes, Harrisburg, Pa.; The Illinois Seed Co., Chicago, Ill.; S. M. Isbell & Co., F. G. Johnson, Jackson, Mich.; J. Will Jefferson, Louisville, Ky.; N. B. Keeney & Son, Leeroy, N. Y.; C. E. Kendel, Cleveland, O.; S. L. Lombard Co., Baltimore, Md.; S. F. Leonard, E. S. Leonard and wife, Chicago, Ill.; Josiah Livingston, A. Krumh, Columbus, O.; Albert McCullough, Cincinnati, O.; J. Chas. McCullough, wife and daughter, Cincinnati, O.; W. T. Fonda, Rochester, N. Y.; Wm. Henry Maule, Philadelphia, Pa.; W. H. May and Son, Alexandria, Va.; P. B. Mingle Co., Philadelphia, Pa.; W. H. Mixon Seed Co., Charleston, S. C.; Max A. Felerstein, Jerome Mills, Philadelphia, Pa.; Northrup, King & Co., Minneapolis, Minn.; Harry Nungesser & Co., New York City; L. L. Olds Seed Co., Madison, Wis.; E. L.

Seventeen Years' Experience Back of Our Methods of Palm Growing

Seventeen years—and every year we have learned something new! Then it was only a small feature of our business; now we have several large houses devoted to Palms alone—in all stages from the little seedling plant to stately specimens in large tubs, such as we show here. Our men, some of whom have literally "grown up with the business," are real palm experts.

Such palms as we grow must be better than ordinary imported stuff—and they are, as any number of our customers will gladly testify. Ours are clean, vigorous, healthy, acclimated; you can depend upon them to give satisfaction, to please your trade, to bring you *more business*. And yet, as you'll see, our prices are no higher than you'd pay for the ordinary imported stock.

Let "Heacock Quality" guide you in placing your next order—we will give you the benefit of the choicest selections from this splendid stock, and can make shipments promptly.

"When in Philadelphia Be Sure to Look Us Up."

JOSEPH HEACOCK COMPANY, = WYNCOTE, PA.



ARECA LUTESCENS.
3 plants in pot. Each.
6-in. pot, 26 to 28 in. high.....\$1.00
7-in. pot, 30 to 32 in. high. 2.00
8-in. pot, 36 inches high 2.50
8-in. pot, 42 inches high 3.00

KENTIA BELMOREANA
6 to 7 leaves
5-in. pot, 18 in. high
Per doz. Per 100
\$6.00 \$50.00
5-in. pot, 20 in. high \$9.00 \$70.00 Each Doz.
6-in. pot, 22 to 24 in. high.... \$1.00 \$12.00
9-in. tub, 42 to 48 in. high.... \$5.00
9-in. tub, 5 ft. high \$7.50 and \$8.00 Each

MADE UP KENTIA FORSTERIANA
4 plants in tub.
9-in. tub, 42 to 48 inches high \$4.00 Each
12-in. tub, 6 ft. high.....\$15.00 Each

COCOS WEDDELLIANA Per 100
2½-in. pot, 8 to 10 inches high.....\$10.00

PHOENIX ROEBELENI.
5-in. pots, nicely characterized..... \$1.00
6-in. pots, nicely characterized..... 1.50

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\$7.00 1000

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Page and two sons, Mr. and Mrs. C. W. Gray, Greene, N. Y.; W. T. Phillips & Co., Toledo, O.; F. S. Platt and wife, New Haven, Conn.; Fred S. Plant, St. Louis, Mo.; J. B. Rice Seed Co., Mr. and Mrs. J. B. Rice, J. B. Rice Jr., Miss Rice, W. C. Langbridge and wife, Miss M. I. Johnson, C. P. Guelph, Cambridge, N. Y.; J. C. Robinson and wife, E. T. Robinson, Waterloo, Neb.; A. L. Rogers and Miss Mabel Rogers, Alpena, Mich.; W. D. Ross, Worcester, Mass.; W. G. Scarlett and wife, Baltimore, Md.; Adolph Corneli and wife, St. Louis, Mo.; Otto Schwill & Co., Memphis, Tenn.; F. W. Eberle, Albany, N. Y.; Steele, Briggs Seed Co., Toronto, Ont.; Robert George, Painesville, O.; Leonard H. Vaughan, Chicago, Ill.; C. H. Vick, Rochester, N. Y.; White Kirby, Detroit, Mich.; Oscar H. Will, Bismarck, N. D.; Lyons H. Williams, Norfolk, Va.; T. W. Wood and Sons, Richmond, Va.; Robert Wood and wife, Wood, Stubbs & Co., Louisville, Ky.; Frank C. Woodruff, Frank W. Woodruff, Orange, Conn.; F. W. Jaeger, Toledo, O.; Diggs and Readles, Albert C. Diggs, Richmond, Va.; Miami Valley Seed Co., C. C. Vale, New Carlisle, O.; Strecher Lithograph Co., Chas. A. Roller and wife, Rochester, N. Y.; H. G. Hastings & Co., H. G. Hastings, Atlanta, Ga.; Brown Bag Filling Mch. Co., B. F. Brown, Jrs., C. Brown, Fitchburg, Mass.; J. Parker, J. C. Parker, Toledo, O.; George H. Clark,

Commissioner, Department Agriculture, Ottawa, Ont.; Jefferson Thomas, O. P. Beckley, McFarland Publicity Service, Harrisburg, Pa.; Hon. W. W. Tracy, Department of Agriculture, Washington, D. C.; Faulkner, New York; J. A. Sinners, Toronto, Ont.; Curtis Nye Smith, Boston, Mass.; A. L. Ball, Chilton Co., Philadelphia, Pa.; Frank B. White, N. W. Ayer and Son, Philadelphia, Pa.; A. J. Kennedy, Dunham Co., Berea, Ohio; G. Edward Schultz, Washington, D. C.; S. H. McGowan, Lebanon, Pa.; A. W. Lukie, Wall H. Washington, Brooklyn, N. Y.; E. F. Crossland, Steels Briggs & Co., Toronto; Chas. Bolgiano, Baltimore; Herbert Clark, Fred M. Clark, Milford, Conn.; Burnet Landreth, Jr., Bristol, Pa.; Henry F. Mitchell, Philadelphia, Pa.; Chas. H. Rowe, Philadelphia, Pa.; H. A. Sculthorpe & Sons, Port Hope, Ont.; Walter P. Stokes, Pike, Pa.; G. R. Thompson, Wilmington, Del.; Clarence W. Moore, Philadelphia, Pa.; E. W. Dorey, New York; M. H. Brunjes, Brooklyn, N. Y.; H. G. Windheim, Nebraska Seed Co., Omaha, Neb.; C. B. Coe, D. M. Ferry & Co., Detroit, Mich.; Herbert W. Johnson, Johnson Seed Co., Philadelphia, Pa.; G. Herbert Potter, Farm & Fireside, New York; H. M. Earle, of W. Atlee Burpee, Philadelphia, Pa.; J. E. Sherb, Boston, Mass.; J. Carson, Philadelphia, Pa.; Wm. H. Woodward & Son, Latham, N. Y.;

George Hagenbach, Moore Seed Co., Philadelphia, Pa.; A. W. Schisler, St. Louis, Mo.; R. Vincent, Jr., White Marsh, Md.; Douglas A. Brown, Cincinnati, O.

WHOLESALE GRASS SEED DEALERS' ASSOCIATION.

The Wholesale Grass Seed Dealers' Association held their second annual meeting at Atlantic City, N. J., Hotel Strand, on June 21 and 22. Albert McCullough, Cincinnati, president; C. F. Wood, Louisville, Ky., secretary. Reports of officers and proceedings of executive committee during the year past showed much work done of substantial benefit to the entire seed trade in enlightening law givers as to the needs of trade in general and earnest desires were manifested to carry on the good work in the future so auspiciously begun. Directors elected for three years were Chas. D. Boyles, Chicago; John A. Smith, Toledo, O.; A. E. Reynolds, Crawfordsville, Ind.

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BOSTONIENSIS. We have a splendid lot of large specimen plants in 12-in. pots, at from \$5.00 to \$7.50 each; 6-in. at 50c. each.

ELEGANTISSIMA IMPROVED. The finest of this type, never

reverting to the Boston type. Fine plants, 2½-in. pots, \$10.00 per 100; 4-in., 25c. each; 6-in., 50c. each; 8-in., \$1.00 each.

SUPERBISSIMA. Extra heavy plants, 4-in. pots, 25c. each; 6-in. 50c. each; 8-in., \$1.00 each.

BEDDING STOCK

	Per 100
Abutilon Savitzi, 2½-in. pots.....	\$4.00
Acalypha Musaica, 2½-in. pots.....	6.00
Ageratum, three sorts, 2½-in. pots.....	3.00
Alternantheras, three sorts, 2½-in. pots.....	3.00
Alyssum, Sweet, 2½-in. pots.....	3.00
Asters, assorted, 2½-in. pots.....	3.00
Cannas, finest sorts,—Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier, and Florence Vaughan,—strong plants, 3½-in. pots.....	6.00
Cobea scandens, 2½-in. pots.....	4.00
Coleus—Golden Bedder, Verschaffeltii, and assorted, 2½-in. pots.....	3.00

	Per 100
Crotons, assorted, 3½-in. pots.....	25.00
Geraniums—Dbl. assorted and Rose,—3½-in. pots.....	8.00
Geraniums—Mme. Sallerol, 2½-in. pots.....	5.00
Heliotrope, 2½-in. pots.....	3.00
Moonflower, 2½-in. pots.....	4.00
Nasturtiums, assorted, fine, 3-in. pots.....	4.00
Petunias, 2½-in. pots.....	4.00
Salvia splendens, 2½-in. pots.....	3.00
Vinca variegata, 3½-in. pots.....	8.00
Hydrangea Otaksa, 4-in. pots., in bud and bloom, one bloom per plant, \$1.50 per dozen.	
Egg Plants, New York Improved.....	4.00

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A BLUE ROSE

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It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

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\$2.50 per Gallon. \$1.00 per Quart.

Destroys Green, Black and White Fly, Mealy Bug, Scale, Red Spider, and Thrip—and does it effectively.

It invigorates plant life.

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In ordering goods please add "I saw it in HORTICULTURE."

Seed Trade

Iowa Seed Dealers' Association.

The fourth annual meeting of the Iowa Seed Dealers' Association was held at Des Moines June 9.

Addresses were given at the afternoon session by Henry Wallace, Prof. J. R. Campbell of Ames, W. B. Barney, state seed commissioner; Prof. James Atkinson, H. W. Graham of The Twentieth Century Farmer, and Prof. L. H. Pammel of Ames, state botanist.

C. N. Page of Des Moines was elected president for the fourth successive term. Other officers were also re-elected. They are as follows: Henry Field of Shenandoah, vice-president; John T. Hamilton of Cedar Rapids, treasurer; B. H. Adams of Decorah, secretary.

About thirty members were present. Mr. Wallace's address had for its topic the necessity of improvement in quality of seeds and reliability of goods supplied to the public by the seed dealers. He deplored the present conditions on the Iowa farms and urged the seedsmen to assist in solving the problem of keeping the boys and girls on the farms by furnishing seeds and plants of such quality as will make country life attractive.

Notes.

A rumor is in circulation to the effect that two or three seed houses in Boston are about to consolidate.

Byromville, Ga.—The seed house of the Byromville Co. was damaged by fire to the extent of \$3,000 June 5th. The building was partially insured.

W. Atlee Burpee and Mrs. Burpee will sail from Quebec on the "British Empress" for Europe July 1st. They expect to return home to Philadelphia by middle of August. Mr. Burpee's trip this year is principally to inspect the British sweet pea exhibitions and will not extend as usual to the continent.

St. Paul, Minn.—R. I. Gould & Co., commission and seed merchants, Jackson St., between 9th and 10th, have under construction a new brick building three stories and basement. It has a ground space of 65 x 100 feet and will be completed by September 1st. The estimated cost of the building is about \$4,000.

N. B. Keeney, Le Roy, N. Y., in an interview at the Bingham Hotel, Philadelphia, on the 21st inst., reported that they had no novelties up their sleeves in peas; but that they had a few new selections in beans that were worthy of consideration and would be heard from. Mr. Keeney affirmed that while hybridizing has done much, the greatest advances have been made in selection from established types during the past twenty-five years. Mr. Keeney is a very modest man, but he is worthily awarded by the trade a much higher status than the above statement would indicate. He likes to keep in the background—and let the seedsmen do the shouting.

New York. The U. S. Customs case against Jacs Smits & Co. of Naarden, Holland, concerning alleged undervaluation on a shipment of plants per S. S. Rotterdam, has been dismissed.

Orders Booked Now For Winter Flowering Sweet Peas

ANT C. ZVOLANEK, ORIGINATOR

NEW CROP SEED READY, AUGUST 1st.

	oz.	½lb	lb.
Christmas Captain. Blue and purple.....	\$0.25	\$0.75	\$2.00
" Pink. Pink and white.....	.25	.75	2.00
" White. (Florence Denzer).....	.25	.75	2.00
Le Marquis. Large, dark blue.....	.25	.75	2.00
Mrs. Alex. Wallace. Lavender.....	.25	.75	2.00
" Edie Wild. Carmine red.....	.25	.75	2.00
" Chas. H. Totty. Lavender.....	.35	1.00	3.00
" William Sim. Salmon pink.....	.25	1.00	2.00
Watchung. Pure white.....	.25	1.00	2.00

Send for Summer Wholesale Price List of Seeds, Bulbs and Supplies.

Henry F. Michell Co., 518-1018 Market St.
PHILADELPHIA

CATALOGUES RECEIVED.

H. Austin, Felton, Del.—Wholesale Price List of Vegetable Plants and Seeds, season of 1910.

E. Y. Teas, Centreville, Ind.—Wholesale Price List of New Hydrangeas, Irises, Peonies, Dahlias, etc.

United States Nursery Co., Roseacres, Miss.—Advance list of herbaceous peonies for autumn, 1910. Wholesale quotations.

Watkins & Simpson, Ltd., Covent Garden, London, Eng.—Trade Price List of seeds of vegetables and florists' flowers, perennials, biennials, etc., for summer sowing.

King Construction Co., North Tona-wanda, N. Y.—Descriptive catalogue of King Iron Frame Greenhouses. Illustrated with diagrams and half-tones of greenhouses from 21 ft. to 172 ft. in width.

Union Nurseries, Oudenbosch, Holland.—Catalogue and trade price list for 1910-1911, of ornamental deciduous and evergreen trees and shrubs, fruit stocks, etc. McHutchison & Co., 17 Murray street, New York City, are sole agents for this nursery and can supply copies of above list.

Wm. Fromow & Sons, Windlesham, England. Preliminary trade list and special offer of fruit and ornamental nursery stock to American buyers, season of 1910-1911. August Rolker & Sons of New York City are the American representatives of this house and will be pleased to supply copies of this special list to all trade applicants.

George Wittbold Co., Chicago, Ill.—Trade list of palms, dracenas, ferns, bays, etc. When you send an order ask for a copy of "The Laws of Financial Success." You get it free. The retail catalogue of this firm is also received and it is simply a beauty. If you want to get ideas on how to produce a catalogue that will command attention and shed lustre on your establishment send for a copy of this publication. It will give you something to think about.

Smith & Fettes, Cleveland, O.—This elegant little pamphlet attractively sets forth the capabilities of

this young concern in the art of decorating and, in general, catering to the requirements of a discriminating class of flower buyers. There are full page illustrations of views in their store, church decorations, etc., lists of notable weddings and society events in which they have figured prominently and other reading matter that will be read with interest by those for whom it is intended. Altogether it is in line with advanced practice in the retail florist industry.

DUTCH BULBS

We forward free to destination, collections of Bulbs as grown here from \$5.00 to \$25.00. Terms—Cash with order. Write for collection and you can see what we send.

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CABBAGE—All Head Suc. Per 100 Per 1000
cession, Second Early, Early
Summer, Flat Dutch, Surehead
Danish Round and Ball Head
10,000 and over 85cts. per 1000

Egg Plants—Black
Beauty and New York Improved 40c. 2.00

PEPPERS—Bull Nose, Ruby
King and Sweet Mountain 40c. 2.00

CELERY—White Plum,
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Pascal, Golden Heart and
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10,000 and over 85cts. per 1,000

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Hyacinths White Roman, Etc.

Narcissus Grandiflora P. W., Trumpet Major, Etc.

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Etc., Etc., Etc.

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For Gardeners, Truckers and Plant Growers
Long Island Cabbage Seed, Cauli-
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Price Lists Free Quality Finest Wholesale and Retail

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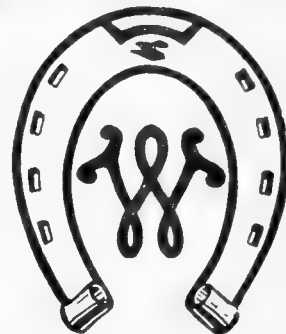
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Primula Obconica Grandiflora, as:
Carmine, Pink, White, Mixed Hybrids,
each separate Tr. Pkt., 50c. 6 Tr.
Pkts., \$2.50.

Primula Chinensis Fimbriata Grandi-
flora, Blood-red, Pink, White, Finest
Mixture, each separate Tr. Pkt., 50c.
6 Tr. Pkts., \$2.50.

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THE STANDARD OF EXCELLENCE

The Product of the best specialists of Europe. The Prize Winners of the World on Colors, Substance, Form, Size of Blossoms and Length of Stems, the Best and Widest Range of Colors Ever Offered. The proportion of light and dark are well balanced. The following collections all contain the same grade of seeds.

Florist Collection as follows:—8 Pkt. 1/8 oz in each Pkt. and 30 Varieties in each Pkt. of the Giant Five Blotched, Rivoire's, Marouch's Masterpiece, Triumph, Perfection, Boulogne's, Winsor and Geneva. 10 Pkt. 1/8 oz. in each Pkt. of the Hybrid Giants as follows: Pure White, White Violet Center, 4 Shades Yellow, 4 Shades Blue, Fawn Color, Striped and Black, Parisian Giants, Melrose Giants, Peerle's Giants. The last three are three and five-blotched. 25 varieties in each Pkt., in all 24 Pkts., weight 3 oz., Price \$7.86

Half Florist Collection. 24 Pkt. 1-16 oz. in each Pkt., weight 1 1/4 oz., \$3.93
Amateur Collection. 24 Pkt. 500 Seeds in each Pkt., 12,000 Seeds, \$2.50
Cottage Collection. 12 Pkt. 500 Seeds in each Pkt., 6,000 Seeds, \$1.25
Mixture of all the above in equal proportion. 1000 Seeds, 25 Cents, 5,000 Seeds, \$1.00, 1 oz., \$3.00.

Exhibition. 50 Cents per 1000 Seeds.
Prices are Net for one or More Collections. Terms Cash

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*Thorburn's
Bulbs*

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**French Grown Pansy Seed
at reduced prices**

	Per oz.
Snow Queen.....	\$.75
Orchid flowered.....	1.00
Masterpiece.....	1.00
Fire King.....	.60
Emperor William.....	.60
Fairy Queen.....	.50
Peacock.....	.60
Bugnot.....	1.50
Yellow Trimardeau.....	.75
White Trimardeau.....	.75

By mail on receipt of remittance. Not less than an ounce sold at ounce rates.

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of my celebrated winter flowering Sweet Pea Seed is being mailed. If you have not received a copy please send for one. New crop of seed will be ready around July 15th next.

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Bound Brook, - - - New Jersey

CHINESE PRIMROSE SEED

Giant Varieties in Separate Colors

\$1.00 Trade Pkt.

Trade list for Florists and Dealers only.

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PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

DON'T FORGET
to give us a trial on Asters, Mignonette, Begonia Vernon, Cineraria, Primula Chinensis, Primula Obconica, Salvia Bonfire, Salvia Splendens, Verbena, Cyclamen and Pansy Seed. The two latter items ready July and August.
We handle none but the highest quality strains. **SKIDELSKY & IRWIN CO.**
1215 Betz Bldg., Philadelphia, Pa.
Catalog for the asking.

"BUDS"

76 Barclay Street, New York

Important to Florists and Gardeners

New crop of High Grade Flower Seeds just arrived. (especially selected quality).

CARL R. GLOECKNER, Pres.

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulars, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO.

Both 'Phones 2670 Main.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

Palmer's Flowers of Quality

BUFFALO, N. Y.

W. J. PALMER & SON, 304 Main St.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Sturgis, Mich.—John Dunn has purchased the florist place of A. Rachter.

Chicago Heights, Ill.—Peterson & Johnson are reported to be in the hands of a receiver.

Chicago, Ill.—J. F. Wolniewicz has removed to 1550 North Kedzie Ave. from 3118 W. North Ave.

Wellington, Ohio.—A. Rachter, formerly of Sturgis, Mich., has taken the retail florist place of T. G. Yale.

Springfield, Ill.—A new store front is to be put in for A. C. Brown, 217 South 5th St., and the store otherwise remodelled.

Cleveland, Ohio.—H. Piggott has taken H. Thrum's place on Cedar Ave. and will do a retail florist business. He formerly conducted a store in the Taylor Arcade.

STEAMER DEPARTURES

Atlantic Transport.

Minnetonka, N. Y.-London...June 25
Cunard.

Ivornia, Boston-Liverpool...July 5
Carmania, N. Y.-Liverpool...June 25
Lusitania, N. Y.-Liverpool...June 29
French.

La Savoie, N. Y.-Havre...June 30
HAMBURG-AMERICAN.
K. A. Victoria, N. Y.-Hamb'g...June 25
Blue her, N. Y.-Hamburg...June 29
Deutschland, N. Y.-Hamburg...July 2
Leyland.

Bohemian, Boston-Liverpool...June 27
North German Lloyd.

Prinzess Irene, N. Y.-Med't'n...July 2
K. Wilhelm, N. Y.-Bremen...June 28
P. F. Wilhelm, N. Y.-Bremen...June 30
K. Wilhelm II, N. Y.-Bremen...July 5
Red Star.

Kroonland, N. Y.-Antwerp...June 25
Finland, N. Y.-Antwerp...July 2
White Star.

Cedric, N. Y.-Liverpool...June 25
Arabie, N. Y.-Liverpool...July 2
Adriatic, N. Y.-Shampton...June 29
Romanic, Boston-Med't'n...June 25
Cretic, N. Y.-Med't'n...July 2
Cymric, Boston-Liverpool...June 28

NEW FLOWER STORES.

Hingham, Mass.—John Bresnahan, Hingham Depot.

Philadelphia, Pa.—M. J. Callahan, 3924 Market St., branch of his store at 3804 Market St.

Wm. H. Long, who has been associated as manager with Chas. H. Brown for many years at 412 Columbus avenue, New York, has bought the place from Mr. Brown and will run it on his own account hereafter. It is a good location and Mr. Long will undoubtedly prosper. Mr. Brown will devote his time and energies to his new store on Broadway.

MOST INTERESTING.

"Your paper is most interesting to us always, and I read it with great pleasure and profit."

D., Ontario, Can.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsflor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's
Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston



LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE BEST LETTERS

FOR **R** THOSE
FLORISTS' MADE
USE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc., Always in Stock

FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

ROSENS

48 W. 29th Street, New York City

Telephone No. 1757 Mad. Sq.

FLORISTS' SUPPLIES

GALAX, bronze and green, fresh crop, \$1.00, 1000; \$7.50, 10,000. LEUCOTHOE SPRAYS, 75c, 100. GREEN SHEET MOSS, \$2.00 large bag.

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALIBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.

LEADING FLORIST,
GEO. A. HEINL, TOLEDO, OHIO
ALL ORDERS PROMPTLY EXECUTED

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
153 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

CHICAGO NOTES.**Miscellaneous Trade News.**

The dealer with the longest shipping list is the most fortunate just now.

Elmer Sigwald of Arlington Heights is just completing three new carnation houses. Mr. Sigwald prefers White Lawson for a steady blooming white.

The Batavia Floral Co. were right in their first estimate of the damage to their peony crop. All the main buds were destroyed and only the laterals are blooming now and the quality is poor.

The E. H. Hunt Co. has been overhauling their show room and putting things in order after the spring rush. Their shelves show an unusually complete line of glassware, including many choice novelties in vases.

At Frank Beu's stand in the Flower Growers' Market, this week, are seen red poppies of immense size that are sold almost as fast as unpacked at \$1.00 per dozen. Some very tall larkspur are also attracting attention here.

Klem Bros., of Arlington Heights, who are the largest peony growers of this vicinity, are cutting about one-half a crop. Their nursery stock was not killed, but all bloom was destroyed and their cherry orchards are entirely without fruit. They are planting fifty acres of apple trees.

A strikingly beautiful out-of-door decoration was achieved by Poehlmann Bros. last week for the commencement exercises of the Morton Grove school, from which Earl, son of August Poehlmann, was graduated. A setting of green on an immense scale was constructed and 4000 roses were used in clusters and garlands. It required the labor of fifteen men two days to complete it.

Some of the wholesalers complain of a falling off in popularity of the peony, and say the same thing in a less degree was noticeable last year. The prolonging of the peony season by cold storage and shipments from the South, and the increased cultivation of this flower in private gardens are thought to be the cause of its decline. Customers claim it is becoming common; certainly it has not figured conspicuously in the prominent June weddings this year.

A. E. Hunt of Evanston is expected home this week from his trip to the Pacific Coast. He writes that he has purchased land near Seattle, Wash., upon which he will erect a greenhouse plant in the near future. His brother, H. H. Hunt of Park Ridge, will have charge of the business here with his father and another brother, all of whom are well known and highly respected florists. A. E. Hunt made a trip West last year and became convinced that there were opportunities there for him.

For Seed Trade Meeting.

Among the western delegates off for the Seedsmen's Convention at Atlantic City, N. J., are: S. F. Leonard, Mr. and Mrs. Ed. Leonard, L. W. Vaughan and J. C. Robinson of Chicago, Kirby B. White of Detroit, and Henry G. Windheim of Nebraska Seed Co., Omaha, Neb. The latter two joined the Chicago party.

Personal.

Ernest Farley of McKellar's is visiting his parents at Indianapolis, Ind.

Geo. Heidenrich, head of Bassett & Washburn's shipping force, will be married to Elfrieda Prillwitz at St. Ann, Ill., June 26.

Allie Zeck has returned after several months' absence and finds Chicago is as good or a little better than any place he has visited.

Chicago Visitors: L. A. Coles, Kokomo, Ind.; Mr. Dole of Dole Floral Co., Beatrice, Neb.; F. L. Tornquist, Benton Harbor, Mich.; Wm. Finnegan, Toledo, Ohio; J. Lambert, Sabula Floral Co., Sabula, Iowa.

PERSONAL.

Col. W. W. Castle and wife, of Boston, have gone to Cleveland, Ohio, to attend the wedding of the Colonel's niece, who is one of the heiresses of that prosperous city. After the wedding they may extend their trip as far as Detroit where several of the Castle Automatic Circulators are doing good work for enterprising greenhouse men, returning via New York.

Among the visitors in Boston is Mr. W. J. Bean, superintendent of Kew Gardens, London, England, who is taking notes at the Arnold Arboretum. Mr. Bean had an exceptional opportunity to see a section of New England landscape in its dress of laurel bloom on Monday last, when in company of J. K. M. L. Farquhar and Wm. J. Stewart he visited Nashua, and with Judge Hoitt and General Anderson took a 100-mile ride through southeastern New Hampshire in General Anderson's auto.

Herman G. Kretschmar, of Flatbush, N. Y., with his wife, oldest son and daughter, will sail on July 9, by S. S. Vaterland, for a European tour, including London, Antwerp, Paris, Switzerland and Holland and then his native home in Germany, returning from Hamburg, Sept. 29 by S. S. Cleveland. Mrs. Kretschmar is a native of Rochester, N. Y., and absence from the Convention this year will not be without regret on their part and on the part of many who know Mr. Kretschmar as a faithful S. A. F. attendant.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Hoffman, Florist, 59-61 Massachusetts Ave.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breltmeier's Sons, Miami and Gratiot Aves.
Falmouth, Mass.—H. V. Lawrence.
Kansas City, Mo.—Samuel Murray, 1071 Broadway.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 Fifth Ave.
New York—Young & Nugent, 42 W. 28th St.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Toledo, Ohio—George A. Heinl.
Toronto, Can.—J. H. Dunlop, 96 Young St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Taliby.

F. L. Ziegler, formerly director at Davenport's has taken charge of the florists shop of Mrs. Armstrong on Riverside Ave., Spokane, Wash. Mrs. Armstrong has retired from active management of the place.

ROSE PLANTS

Satisfaction guaranteed

Maids, 3 1-2 in. pots, \$7.00 per 100 Brides, 3 in. pots, \$6.00 per 100
 Richmond, 3 in. pots, \$6.00 per 100

EASTER LILIES

The choicest in the market. Long stems, large well hardened flowers. Can quote an attractive price in quantity.

Business Hours 7 a.m. to 6 P.M.

LEO NIESSEN CO.**WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT EASTER LILIES

Fine Quality—Any Quantity

W. E. McKISSICK & BROS., Wholesale Florists

1619-1621 Ranstead St., Philadelphia

**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers**PETER REINBERG**

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

43-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention given to shipping orders.
 Jobbers of Florists' Supplies, Seeds and
 Bulbs. Price list on application.
 Phone, Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill
 your orders to your satisfaction. A complete line of
 Hardy Greens - WILD SMILAX, BOXWOOD,
 HARDY FANCY FERNS, GALAX LEAVES.
 Write for quotations on large quantities

In ordering goods please add "I saw
 it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
 ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO June 21	TWIN CITIES June 21	PHILA. June 21	BOSTON June 23
ROSES				
Am. Beauty, Fancy and Special...	15.00 to 20.00	25.00 to 30.00	20.00 to 25.00	18.00 to 25.00
Extra	10.00 to 13.00	13.00 to 15.00	15.00 to 20.00	12.00 to 15.00
No. 1	6.00 to 10.00	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00
Lower grades	2.00 to 5.00	6.00 to 10.00	6.00 to 10.00	1.00 to 6.00
Bride, 'Maid, Chatenay, F. & S.	4.00 to 6.00	5.00 to 7.00	10.00 to 12.00	5.00 to 8.00
Lower grades	2.00 to 4.00	3.00 to 5.00	3.00 to 8.00	.50 to 2.00
Killarney, My Maryland, Fan. & Sp.	4.00 to 8.00	6.00 to 8.00	8.00 to 10.00	6.00 to 8.00
Lower grades	2.00 to 4.00	4.00 to 6.00	3.00 to 8.00	1.00 to 3.00
Richmond, Fancy & Special	4.00 to 8.00	6.00 to 8.00	10.00 to 12.00	6.00 to 8.00
Lower grades	2.00 to 4.00	4.00 to 6.00	3.00 to 6.00	1.00 to 3.00
Kaiserin, Carnot, Fancy and Sp.	4.00 to 6.00	6.00 to 8.00	10.00 to 12.00	6.00 to 8.00
Lower Grades	2.00 to 4.00	4.00 to 6.00	3.00 to 8.00	1.00 to 4.00
CARNATIONS, Nov. and Fan.				
Ordinary	1.50 to 2.00	2.00 to 3.50	2.00 to 3.00	1.50 to 2.00
	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	50.00 to 60.00	..... to 50.00	40.00 to 50.00
Lilies	8.00 to 10.00	11.00 to 14.00	8.00 to 12.50	6.00 to 8.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	1.00 to 4.00
Stocks	..... to .....	..... to	1.00 to 3.00	1.00 to 2.00
Pansies	.25 to .50	.60 to .80	..... to 1.00	.50 to 1.00
Daisies	.25 to .40	.75 to 1.00	..... to 1.50	.50 to 1.00
Snapdragon	..... to	4.00 to 6.00	3.00 to 12.00	2.00 to 6.00
Peonies	4.00 to 6.00	5.00 to 8.00	3.00 to 8.00	.75 to 1.00
Sweet Peas	.50 to 1.50	1.00 to 2.00	.40 to 1.00	.25 to 1.00
Gardenias	..... to	20.00 to 30.00	5.00 to 12.50	8.00 to 12.00
Adiantum	..... to 1.00	.75 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax	2.00 to 15.00	12.00 to 15.00	15.00 to 20.00	12.00 to 16.00
Asparagus Plumosus, strings (100)	50.00 to 60.00	45.00 to 60.00	35.00 to 50.00	..... to 50.00
" & Spreng. (100 bchs.)	25.00 to 30.00	25.00 to 35.00	35.00 to 50.00	..... to 50.00

FLOWERS AND GREENS!

In our GREEN DEPARTMENT we have New Crop Dagger and Fancy Ferns, \$1.50 per 100; Bronze and Green Galax, \$1.00 per 1000; \$8.50 per 10,000. Leucothoe Sprays, \$1.00 per 100. \$7.50 per 1,000. New Imported Bronze Magnolia Foliage; Southern Smilax; Ferns; Laurel.

In our FLOWER DEPARTMENT, everything in Flowers, from Orchids down; finest quality, bottom market prices.

We have secured the sole agency for Barrows' sensational new fern, Nephrolepis magnifica; in pots or cut fronds. Try it.

HENRY M. ROBINSON & CO. 15 Province Street, Boston, Mass.

LONG DISTANCE PHONES 2617-2618 MAIN.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, FRESH STOCK.

Long Distance Phone Randolph 2758

Telegraph, Telephone or Bring in Your Orders.

We Grow Our Own Flowers

Roses and Carnations Our Special

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free. For sale by dealers

Pittsburgh Cut Flower Co.

Wholesale Growers

222 Oliver Ave.,

PITTSBURGH, PA.

Flower Market Reports.

BOSTON

Roses are selling pretty well. Beauty, Killarney, both white and pink, Carnot and Richmond are in the lead, their only rival in popularity being the old-fashioned favorite Gen. Jacqueminot which is being sent here to Welch Bros. from Newport and, although out-door grown are the equal in substance and finish of flower and foliage, of any indoor grown stock. Sweet peas, which were suffering badly from the effects of the damp and rainy weather, have begun to improve but there is still much unsalable stock in sight. Carnations are good, considering the lateness of the date. Good Enchantress and other high-class pink varieties are moving very satisfactorily, bringing prices almost 50 per cent. better than at this time one year ago. Whites drag badly. Cattleyas are scarcer and higher in price. Among the things which are unloaded with difficulty are stocks and lilies. Lily of the valley is normal as to supply and demand.

CHICAGO

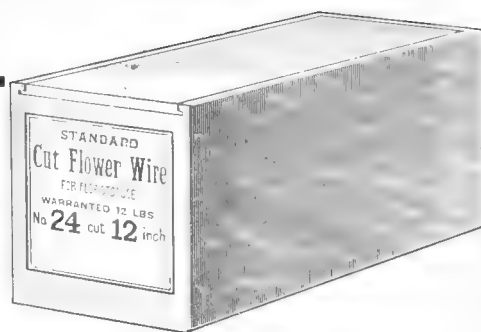
Shipping trade narrowly saved the Chicago market from experiencing a glut last week. The warm weather so long hoped for came suddenly and continued with the mercury close to 90 degrees, and three degrees higher on two days. Stock, under these conditions, became soft and everything was cut and prices dropped quickly. Roses are to be seen in all degrees of quality, but only good ones sell and then at a low figure. Carnations can be bought at the buyers' price and quality holds up well considering lateness of the season and hot weather. Sweet peas have felt the change in temperature as much as any flower and the supply declines. Peonies are to be seen in profusion, for demand is light, and they are being put into cold storage in considerable quantity. The season is considered a poor one for this flower, no matter which way the situation is viewed. Ferns are coming in from Michigan in such quantities that price is reduced to \$1.50 per 1000. Lilies are still in fair supply, and like all other stock sell for a low figure. Beauties are quoted lower and two dollars buys the fancy stock. Commencement orders have been a boon to both wholesalers and retailers this week.

PHILADELPHIA

Summer conditions are gradually asserting themselves in this market; but the past week's trading was satisfactory—all things considered. Early in the week there were a good many weddings and commencements, which gave a backing to the choicer trade and helped to keep a normal level. Later, there was a lot of business; but it was mostly of the bargain counter order. An immense amount of work for the wholesalers with very little money in it either for them or for the growers. The Beauty market went up with a jump—consequent on replanting, and falling off in production from the advancing season. But the reduced supplies arriving are generally of excellent quality. Richmonds and Marylands are both coming in in fine shape. Killarney is still good, the local stock keeping up better than usual for this season of the year. White Killarneys

WIRE SPECIAL

Florist's Cut Flower Wire at Bargain Prices



A big purchase from our manufacturer prior to stock taking enables us to make the following low price offer. The stock is our usual high grade quality wire and absolutely clean. We have a good supply in all numbers, both 12 in. and 18 in. lengths.

No. 18	Per box of 12 lbs.	\$.75
No. 19	" " " " "	.75
No. 20	" " " " "	.80
No. 21	" " " " "	.85
No. 22	" " " " "	.90
No. 23	" " " " "	.95
No. 24	" " " " "	1.00

No order will be considered for less than six boxes at these prices. You can assort numbers and sizes to make up amount.



S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF
1608-20 LUDLOW STREET, PHILADELPHIA, PA.
1212 New York Ave., WASHINGTON, D. C.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	June 21		June 21		June 21		June 21	
ROSES								
Am. Beauty, Fan. and Sp.....	10.00	to 15.00	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" Extra	6.00	to 8.00	16.00	to 20.00	12.00	to 15.00	10.00	to 12.00
" No. 1.....	3.00	to 6.00	12.00	to 16.00	7.00	to 10.00	4.00	to 8.00
" Lower grades.....	2.00	to 3.00	4.00	to 10.00	2.00	to 4.00	.....	to 2.00
Bride, 'Maid, Chateauy, F. & S.....	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Low. gr.....	2.00	to 3.00	4.00	to 6.00	2.00	to 4.00	1.00	to 4.00
Killarney, My Maryland, Fan. & Sp.	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" Lower grades.....	2.00	to 3.00	4.00	to 6.00	2.00	to 4.00	1.00	to 4.00
Richmond, Fancy & Special.....	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" Lower grades.....	2.00	to 3.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Carnot, Fancy and Sp.....	4.00	to 6.00	6.00	to 10.00	6.00	to 8.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 3.00	4.00	to 6.00	3.00	to 5.00	2.00	to 4.00
CARNATIONS, Novelty and Fancy								
" Ordinary .....	.....	to 3.00	2.00	to 3.00	2.00	to 2.50	.....	to 1.00
" .....	.....	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to
MISCELLANEOUS								
Cattleyas.....	.....	to 50.00	50.00	to 60.00	.....	to	50.00	to 75.00
Lilies.....	8.00	to 10.00	15.00	to	8.00	to 12.00	8.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Stocks.....	1.00	to 2.00	4.00	to 8.00	.....	to	3.00	to 6.00
Fansies.....	.....	to .....	.....	to .....	.30	to .50	.....	to
Daisies.....	.85	to .50	.50	to 1.00	.50	to 1.00	.....	to 1.00
Snappdragon.....	3.00	to 4.00	3.00	to 6.00	2.00	to 4.00	4.00	to 8.00
Peonies.....	4.00	to 5.00	4.00	to 10.00	3.00	to 5.00	6.00	to 8.00
Sweet Peas.....	.25	to .35	.50	to 1.00	.50	to 1.00	.25	to 1.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	1.00	to	1.00	to 1.50	1.00	to 1.50	.....	to 1.50
Smlax.....	12.00	to 15.00	15.00	to	15.00	to	15.00	to
Asparagus Plumosus, strings (100)	25.00	to 35.00	25.00	to 40.00	50.00	to 60.00	35.00	to 50.00
" " " & Spren. (100 bchs.)	.....	to 20.00	25.00	to 40.00	25.00	to 30.00	35.00	to 50.00

are not much in evidence—most of the growers seem to have thrown these out first—as their product at this season has no show alongside of Kaiserin. Brides are of indifferent quality and Bridesmaids are even worse. Carnations have never been seen here at this season in such quantity and quality. Splendid flowers—almost as good as in the middle of winter. And the prices are so low that every retailer has a chance to invest liberally and make "a

special" of them. Orchids in good demand and none too plenty. Peonies still in evidence and of very good quality for late June. Sweet peas are fine but the hot weather and the rain has knocked them a little at times. Gladoli are coming in freely and of good quality. Among minor items, Feverfew, centaurea, gaillardia, stocks, gypsophila, delphinium, iris and marguerites are most conspicuous.

(Reports continued on page 93)

M. C. FORD

Successor to

FORD BROTHERS

121 West 28th Street NEW YORK

FINE ROSES. FANCY CARNATIONS

A Full Line of All CUT FLOWERS.

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Choice Cut Flowers,

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Alfred H. LangjahrAll choice cut-flowers in season. Send
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Florists' Association,**
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162 Livingston Street, BROOKLYN, N. Y.Geo. W. Crawback Telephone Connection
Manager 3642-43 Main**Moore, Hentz & Nash**

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NEW YORK

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We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties
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especially adapted for florists' use.**Books Balanced and Adjusted**
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LARGEST GROWERSA full line of Choice Cut Flower Stock for all purposes Comprises every variety
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Wholesale Commission Dealer in

CHOICE CUT FLOWERS

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PHILIP F. KESSLER 3rd Floor Coogan Bldg.,
55 & 57 W. 26th St., New York CityOpen from 5 a. m. to 6 p. m. Sun-
day till 10 a. m.**CUT FLOWERS**

Tel. 5243 Madison Sq.

Finest Lilies in the Market Every Day In the Year.

NEW YORK QUOTATIONS PER 100. To Dealers Only

	Last Half of Week ending June 18 1910		First Half of Week beginning June 20 1910	
ROSES AND CARNATIONS				
American Beauty, Fancy and Special.....	8.00	to 20.00	8.00	to 20.00
" " Extra.....	5.00	to 8.00	5.00	to 8.00
" " No. 1.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Ald, Golden Gate, Fancy and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Killarney, Maryland, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Fancy and Special.....	2.00	to 6.00	2.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Kaiserin, Carnot, Fancy and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, Fancy and Novelties.....	1.00	to 2.00	1.00	to 2.00
" " Ordinary.....	.50	to .75	.50	to .75

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAIDCENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION**CHARLES MILLANG**

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THE KERVAN COMPANYFresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.Tel. 1519 } Mad. Sq. 113 W. 28 St., New York.
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Brooklyn's Foremost and Best

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A First Class Market for all CUT FLOWERS

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**KRICK'S FLORIST
NOVELTIES**Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked.

1164-66 Greene Av., Brooklyn, N. Y.

For Sale by all Supply Houses



Flower Market Reports

(Continued from page 961)

CINCINNATI Complaints in general show that business for the past week has been on the "good old summer time" order. Large quantities of all kinds of stocks are pouring into this market. There is an over-abundance of sweet peas with a light demand. The majority of roses received are of very poor quality, good stock averaging fair prices. Nearly all of the carnations are indifferent as to quality with good shipping stock selling fairly well. Peonies are about done for the season. Shasta daisies have made their appearance and are moving nicely, while the call for marguerites is only fair. Lily of the valley, which was scarce last week, is again plentiful. Special inducements as to price have to be made to move longiflorum lilies. Asparagus plumosus and Sprengeri from the South are arriving in very poor condition. Smilax is in good supply.

NEW YORK There is a great quantity of all varieties of flowers in the market at present and the demands of the best trade are for odds and ends and a few choice roses, and not a great many of any one thing. The supply is too heavy to maintain anything like steady prices. Growers are slow in throwing out, which is the only hope for an improvement of present conditions. The hope of a demand for the public school closing exercises is not likely to be realized as the ban has been put on flowers. White roses and good white carnations have the preference in selling over colored varieties.

THE PROPOSED PLANT AND FLOWER MARKET IN NEW YORK.

On Monday, June 20th, 1910, the committee on streets, highways and sewers of the Board of Aldermen gave a public hearing on the resolution to establish a plant and flower market under the Queensboro Bridge at 59th street. Among the speakers in opposition to the measure were Mr. Hunt, a grower from Staten Island, and Mr. Cromwell, the Borough President of Staten Island. Those who spoke in favor of the measure included two aldermen, John D. Crimmins, Wm. H. Siebrecht, Jr., Anton Schultheis, A. L. Miller, John Donaldson, John Birnie and a number of property owners of the vicinity of the bridge. Henry Stover, Commissioner of Parks, also spoke for same.

The committee acted favorably and reported the resolution to the Board, which latter body passed the measure. It now only remains for the Mayor to sign the bill to make the place a market and thus give the New York florists something that they have been trying to get over twenty years. The rent for stands will be about 25 cents per foot and the cheap rental, if nothing else, will bring the entire trade there very quickly.

Ernest Strehle, who has been connected with the Park Department as gardener for several years has been appointed superintendent of Parks at St. Louis, Mo. He takes the place of the late George Ostertag.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH.

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

FLOWER CROWER OR BUYER

Whichever you are, you are invited to call or write. I can be of service to you the entire season. WHOLESALE FLOWERS ONLY.

Established 1887
Open 6 A. M. Daily
Tel. 167 Madison Sq.

J. K. ALLEN

106 W. 28th St.
New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending June 18 1910		First Half of Week beginning June 20 1910	
Cattleyas.....	20.00	to 35.00	20.00	to 35.00
Lilies.....	3.00	to 4.00	3.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Stocks.....	1.00	to 3.00	1.00	to 3.00
Daisies.....	.25	to .50	.25	to .50
Snapdragon.....	3.00	to 4.00	3.00	to 4.00
Peonies.....	.....	.....	.....	.....
Sweet Peas (per 100 bchs).....	2.00	to 6.00	2.00	to 6.00
Gardenias.....	3.00	to 15.00	3.00	to 15.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings.....	.....	to 35.00	.....	to 35.00
" " & Spren. (100 bchs).....	10.00	to 25.00	10.00	to 25.00

PHILADELPHIA NOTES.

Chas. E. Campbell reports an unusually good season on bedding plants—many lines being sold out earlier than usual. At their Penn Lynn place the specialties next year will be ferns, roses, carnations, and sweet peas—instead of all carnations as heretofore; Scotti and Schoelzeli in the ferns; Maryland and Killarney in the roses.

Among our visitors this week may be mentioned: John Paul, Cumberland, Md.; N. S. Peterman, Altoona, Pa.; Paul Lindley of J. Van Lindley Co., Greensboro, N. C.; Mr. Hake of Hake & Peterson, Huntington, Pa.; C. H. Vick, Rochester, N. Y., Supt. of the S. A. F. trade exhibition; and seedsmen from far and near going and coming to their annual convention at Atlantic City.

The Essay Committee of the Florists' Club announce that the speaker for the next meeting, July 5th, will be W. Albert Manda of South Orange, N. J. The subject will be, "Should we Consider our Calling a Trade or a Profession?" This topic ought to prove interesting and bring out a good crowd. The philosophers and wits will have ample opportunity to display themselves on a hot weather subject like that.

Godfrey Aschmann says he sells cheap; but does not throw his goods away like some of those who get overstocked because they do not advertise in HORTICULTURE. Nice stocky little araucarias at 35c. are one of the

specialties here at present. In his characteristic way Godfrey says: "Plenty of business, plenty of business—too much business! Even sending money back!" He is a live one all right.

Maybe you will have the pleasure of saying, "How do you do, Senator," to him one of these days. Joseph Heacock has been nominated for that honor on the Democratic ticket to succeed Senator Harper, deceased. If merit counts with the voters he will win in a walk. Joseph ought to consult our good friend, John Burton (another florist from the same county who has already been there), for some pointers. Voters are kittle cattle.

M. Rice & Co. had big importations on the steamers "Pollanze," "Schomburg," and "Pisa," this week; consisting mostly of baskets, bouquet holders, paper goods, matings, and florists' novelties. This influx, coming on top of their stock-taking and general business, has kept them on the jump lately, and much outside storage has been requisitioned in addition to their extensive storage facilities in their 7-story warehouse on Race street—the largest of its kind in America.

"Having had a copy of HORTICULTURE given me recently, I was greatly impressed by its splendid information, and feel I am at a disadvantage being without it. Enclosed please find money order for same."

O. A. H.,
Yonkers, N. Y.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ACHYRANTHES.

Achyranthes, Linden and Wallacel, 2-in., \$2.00 per 100; 2½-in., strong, \$3.00 per 100. Newton Rose Conservatories, Newtonville, Mass.

ALYSSUM

Alyssum, \$2.00 per 100. E. H. Frenking, 1200 Hamilton, Trenton, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Asparagus Sprengerii, 2½ inch pots, fine stock, \$2.25 per hundred, \$20.00 per thousand. The Good & Reese Co., Largest Rose Growers in the World, Springfield, Ohio.

Asparagus Sprengerii, \$15.00 per 1000; 10 cents for sample. Albert M. Herr, Lancaster, Pa.

Asparagus plumosus, 2 in., \$2.00; Sprengerii, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

ASTERS

FLORISTS' ASTERS.

Field-grown, separate colors. Crego, white, pink and rose; Semple's, purple and lavender; \$2.50 per 1000, express; by mail, 50c. per 100. Cash with order. A. & G. Rosbach, Pemberton, N. J.

AUCTION SALES

Wm. Elliott & Sons, New York, N. Y.
Plant Auction Sale.

BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.
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BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
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BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Godfrey Aschmann, Philadelphia, Pa.
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Bedding plants. Geraniums in bud and bloom, Nutt, Trego, Poitevine, Vland, Jauhin, La Favorite, 3½ in., \$6.00 per 100. Feverfew, double white; Petunias, double and single, 3½ in., \$5.00 per 100. Fuchsias, Little Beauty and other best market varieties, 2 and 3½ in., \$2.50 and \$6.00 per 100. Abutilon Savitzii, Parlor Ivy, Ageratum Gurney, Begonia semperflorens and Vesuvius, 3 in., \$5.00 per 100. Verbenas, Dusty Miller, Blue Lobelias, Achyranthes Linden, 2½ in., \$2.50 per 100. Alternantheras, red and yellow, 2 in., \$2.00 per 100. Special price on large quantities. Cash. F. Sokol, College St., Worcester, Mass.

Achyranthes, Coleus, of all varieties, 2-in., \$2.00 per 100; 2½-in., strong, \$3.00 per 100. Heliotropes, 4-in., \$6.00 per 100. Cash. Newton Rose Conservatories, Newtonville, Mass.

BEGONIAS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Begonia Lorraine and Agathe, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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BOOKS

Iris, Peony and Phlox Manuals, 25 cts. each in Stamps. C. S. Harrison, York, Nebraska.

BOXWOOD TREES

A. Leuthy & Co., Roslindale, Mass.
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New England Nurseries, Inc., Bedford, Mass.
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Bobbin & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Yokohama Nursery Co., 31 Barclay St., N. Y.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
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Schlegel & Fottler Co., 26 & 27 S. Market St., Boston.
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H. E. Fiske Seed Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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"Buds", New York, N. Y.
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J. Soleillet, Toulon, France.
French Hyacinths, Narcissi and Freesias.
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CANNAS

A. N. Pierson, Inc., Cromwell, Conn.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Carnations for Immediate Delivery.
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Chicago Carnation Co., Joliet, Ill.
Sangamo and Conquest.
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CARNATIONS—Send for prices on what you want. A. M. Herr, Lancaster, Pa.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CEMETERY VASES

E. H. Hunt, Chicago, Ill.

CHRYSANTHEMUMS

Wood Bros., Fishkill, N. Y.

Rooted Cuttings.

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Elmer D. Smith & Co., Adrian, Mich.

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Charles H. Totty, Madison, N. J.

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CHRYSANTHEMUM ROOTED CUTTINGS

WHITE—Lynnwood Hall, Tonsset, A. Byron, T. Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

PINK—Amorita (very early), Glory of Pacific, M. Dean, Mary Mann, Rosette, Pink Ivory.

YELLOW—Golden Glow (very early), M. Bonnafton, Y. Eaton, Cremona, Robt. Halliday, Golden Eagle, Yellow Jones, G. Chadwick, Baby. Send for price list.

Wm. Swayne, Box 215, Kennet Sq., Pa.

Chrysanthemums. Golden Glow, Poehlmann, Desjouis, Pacific, Roosevelt, Nonin, Monrovia, etc., 20 varieties, strong rooted cuttings, \$1.00 per 100. List. Edward Wallis, Atco, N. J.

Chrysanthemums R. C., Golden Glow, Pacific Supreme, White Cloud, Ivory, etc., \$1.35 per 100; \$12.50 per 1000. Gloria, Virginia Poehlmann, Baby Margaret, \$2.50 per 100. Stafford Floral Co., Stafford Springs, Conn.

Rooted cuttings of Frost, Golden Glow, Monrovia, Rosiere, etc., ready from Jan. 20 on, at 50c. doz., \$2 per 100, no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

We have 75 varieties including Single and Pompons, 15 per 1000. "Enough Seed." Ehmann's, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM CANES

Wm. Elliott & Sons, New York, N. Y.
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J. E. Felthousen, Schenectady, N. Y.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

WE PAY THE FREIGHT

On Cut Flower Boxes. On all orders for \$15.00 or more we will pay the freight east of the Mississippi. All orders west of the river, we pay to the river. Samples of stock and prices on request. Climax Manufacturing Co., Castorland, N. Y. Dept. H., N. Y. Office, 20 East 42nd St.

CYCLAMEN

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

Cyclamen Persicum Giganteum, Large flowering, mixed colors, fine bushy plants. 3 inch \$5.00 per 100; 4 inch \$10.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cyclamen Giganteum, extra well grown plants from 3 in. pots, \$7.00 per 100. Paul Mader, East Stroudsburg, Pa.

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CYCLAMEN — Continued

Cyclamens — finest stock — in separate colors, 3½ in. pots, \$10.00 per 100. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS

Peacock Dahlia Farms, Williamstown Junction, N. J.

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Herbert, Acto, N. J.

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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

DAISIES

Shasta Daisy Alaska, extra large, field clumps, 8c. O. C. Day, 27 High St., Hudson, Mass.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Rosindale, Mass.

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Joseph Heacock Co., Wyncote, Pa.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Godfrey Aschmann, Philadelphia.

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DRACAEAS

A. N. Pierson, Inc., Cromwell, Conn.

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Dracaenas, 5-in. pots, 20c. each; \$18.00 per 100. Suitable for vase filling. Cash with order. The William Scott Co., Buffalo, N. Y.

Dracaena indivisa, 4-in., strong, \$8.00 per 100; 6-in., \$25.00 per 100. E. H. Frenking, 1200 Hamilton, N. J.

EGG PLANTS

Egg Plants from seed beds, 30c. per 100 while they last. Will exchange for bulbs or plants. Charles F. Newell, West Newbury, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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FERNS

A. Leuthy Co., Rosindale, Mass.

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H. H. Barrows & Son, Whitman, Mass.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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A. N. Pierson, Cromwell, Conn.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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McHutchison & Co., New York, N. Y.

Ferns in Flats.

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Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

D. D. Johnson Co., Chicago, Ill.

Evergreen Brand Fertilizer.

Hoswa Waterer, Philadelphia, Pa.

Thompson's Vine, Plant and Vegetable Manure.

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FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS' REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.

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FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Rosens, 48 West 29th St., New York City.

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S. S. Pennock-Meehan, Philadelphia, Pa.

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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hewa & Co., Cambridge, Mass.

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Hilfinger Bros., Ft. Edward, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, S. A. Nutt, Beauty Poltevine, Madame Barney Buchner, from field, 5c. each; rooted cuttings, \$9.00 per 1000; unrooted, \$5.00 per 1000. Carl Dornbrer, 6417 Carnegie Ave., Cleveland, O.

25,000 geraniums in following varieties: Nutt, Buchner, Jaulin and Ricard, 3½ and 4-in., \$7.50 and \$8.00 per 100. Fine stock, strong and stocky. Cash please. A. H. Cragg & Son, Stratham, N. H.

Geranium, S. A. Nutt, Double Grant and assorted, 3½ and 4 inch, 6 and 7c; Sallerol 3 inch, 4c. Stafford Floral Co., Stafford Springs, Conn.

Geraniums, rooted cuttings of Ricard, Poltevine and Nutt at \$10.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums, Ricard, 2 in., \$1.75 per 100. J. H. Dann & Son, Westfield, N. Y.

GLADIOLI

E. S. Miller, Wading River, L. I., N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

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H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

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GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

HAIL INSURANCE

Florists' Hall Asso. of America.

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HELIOTROPES.

Heliotropes, 4-in., in pots, \$6.00 per 100. Cash. Newton Rose Conservatories, Newtonville, Mass.

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HYDRANGEAS

Hydrangea arborescens grandiflora alba. We have the largest stock of strong 2 and 3-year-old plants in America at attractive prices. Inspection of stock desired. E. Y. Teas, Centerville, Ind.

INSECTICIDES.

Nicotinide kills all greenhouse pests. P. R. Palethrope Co., Owensboro, Ky. For page see List of Advertisers.
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IRIS—The very best out of 500 sorts. C. Betscher, Canal Dover, O.

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Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J. For page see List of Advertisers.
Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.
Peonies only, by the wholesale. Best 100 varieties. J. F. Rosenfield, West Point, Neb.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland. Double Petunias. For page see List of Advertisers.
Petunias, 2½-in., \$2.00 per 100. E. H. Frenking, 1200 Hamilton, Trenton, N. J.

PHLOXES.

Plox Drummondii nana compacta, \$2.00 per 100. E. H. Frenking, 1200 Hamilton, Trenton, N. J.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trelises. H. D. Seele & Sons, Elkhart, Ind.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

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The Rose by H. B. Ellwanger; mailed for \$1.30 by Horticulture, 11 Hamilton Place, Boston.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
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A large stock of sweet potato plants
now ready. Yellow Nansemond, Big Stem
Jersey and Early Golden. \$1.25, 1000;
\$10.00, 10,000. H. Austin Co., Felton, Del.

Vegetable Plants. Tomatoes, potted,
\$1.00 per 100; Peppers, 25c. per 100; Cab-
bage, \$10.00 per 1000; Celery, \$2.00 per
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VENTILATING MACHINERY, New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
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VERBENAS

Verbenas, 2½-in., \$2.00 per 100. E. H.
Frenking, 1200 Hamilton, Trenton, N. J.

WATER HYACINTHS

Water Hyacinths, \$2.00 per 100; \$15.00
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William E. Heilscher's Wire Works, 38-40
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Foley Mfg. Co. 971	Pierce, F. O. 970
Ford, M. C. 962	Pierston, A. N. 943
Freeman, G. L. Co. 942	Pierston, F. R. 955
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PERSONAL.

D. R. Larson of Salt Lake City, Utah, has been appointed florist at Liberty Park.

Wm. Cohen is now employed by Johnson Bros., Providence, R. I. He was formerly with Joseph Kopolman & Co.

Christopher M. Lee has been appointed by the Providence, R. I., City Council as a member of the Park Commissioners for three years.

Miss Susie Dryden Ritchie and George F. Struck of the firm of Knight & Struck, were married at Toronto, Ont., on June 15, 1910. They will live at 304 Valley Road, Orange, N. J.

Visitors recorded in Cincinnati:—Mr. Johnson, of Chillicothe, O.; Mr. Rose, of the Sefton Mfg. Co., Anderson, Ind.; Myer Heller, New Castle, Ind.; Wm. Gardner, of P. Olinger's, New Castle, Ind.; Mr. Poole, of Poole & Purlaut, Bellefontaine, O.

GOOD RESULTS.

"You can run the Oncidium advertisement once more at any rate. We have sold 200 from this advertisement up to date, which we think warrant us running it again."

ARTHUR T. BODDINGTON.

Best for Garden Spraying

In vegetable or flower garden, on fruit trees and vines; for whitewashing, fire protection window and carriage washing; wherever you use it, the Deeming "Perfect Success" saves time and trouble and does better work.

Deeming Spray Pumps

Hand and power, nearly two dozen kinds; designed and tested by practical growers, approved by government and Experiment Station experts. Catalogue and Spraying Calendar free. We make Pumps for all uses. Ask your dealer.

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250 page catalogue free. Write to-day.

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Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

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WANTED

Protestant business lady, not over 30 years of age, for our greenhouse office. Address

CALVERT FLORAL CO.

Lake Forest, Ill.

WANTED—An experienced decorator and maker up of designs and sprays. Must be strictly sober and polite to customers. A permanent situation for one who can fill the place and is well recommended. Please state wages expected. Address, A. B. C., care of HORTICULTURE OFFICE, 11 Hamilton Place.

Married or single man on a place of 12,000 feet, near Boston. Man must be a good grower of Carnations, Mums, Violets and general stock. Do not apply unless you are a willing, quick worker. State wages in first letter. C. M. care HORTICULTURE.

WANTED—An experienced man to work in greenhouses where a large part of the product is carnations. Will pay good wages to the right man. Give references. Address Box 1062, Lowell, Mass.

WANTED—Experienced grower of hot-house fruit and plants. Apply with testimonials, HORTICULTURE OFFICE, 11 Hamilton Place, Boston, Mass.

EXPERIENCED man in retail flower store. Must be designer and good all around man. F. Williams, 35 East Randolph St., Chicago, Ill.

WANTED—Good, sober, general greenhouse man as assistant, who can do designs. G. L. Ramsburg, Somersworth, N. H.

WANTED—A working partner in greenhouse business. Charles F. Newell, West Newbury, Mass.

SITUATIONS WANTED

SITUATION WANTED—Gardener, head or superintendent, 20 years practical experience under glass and out doors; landscape work and all pertaining to the upkeep of a gentleman's estate. Excellent references, (38), single. H. I. J., care HORTICULTURE.

WORKING FOREMAN wants position; good grower of roses, pinks, chrysanthemums, pot plants, etc.; long experience. First class references. S. J. care HORTICULTURE.

WANTED—Position as foreman, inside, private or commercial; thoroughly experienced in growing orchids, fruit and plants. Best of references. Apply, X Y Z, 261 West 42nd St., New York, N. Y.

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FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

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Plants,
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5th year most effective spray against
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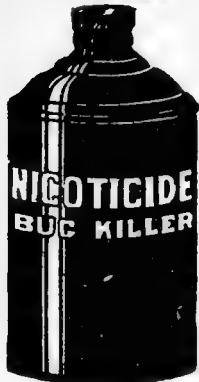
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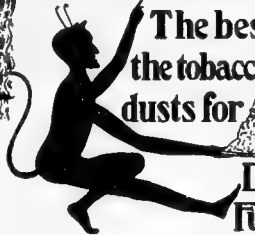
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The best of all
the tobacco
dusts for



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85 lbs., \$1.00 100 lbs., \$ 8.00 1000 lbs., \$27.00
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In ordering goods please add "I saw
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Sold by Seedsmen and Merchants all over
New England



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Hammond's Paint and Slug Shot Works.
Fishkill on Hudson, N. Y.

Strokum Stops Caterpillars

Bind it around your trees. Stop the
third crop of caterpillars from crawl-
ing up. It is the most destructive
crop of all.

Caterpillars or tussock moths can-
not crawl under, and won't crawl over
Strokum. The only banding substance
that does the work and lasts an en-
tire season. It is not unsightly. Guar-
anteed not to harm the trees. Anyone
can put it on.

Send \$1.00 at once for a sample
package of five pounds, which is
enough to band five trees averaging
one foot in diameter. Express paid
East of the Mississippi; 50c. extra
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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting
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Use any form you choose but buy it of

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FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
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Absolutely the best glazing product ever produced. Guaranteed to be made of purest double boiled Linseed Oil and to contain a greater proportion of Pure White Lead than any other product. Weights 16½ lbs. to the gallon; each gallon will cover 300 running feet. Can be used in machine or putty bulb and we guarantee that ten years after using all that is necessary is to break the outer film and the body will be soft and pliable. Impervious to water and will not heave in cold, nor run in warm weather; in fact, it is "manufactured to meet the ever increasing demand of the man who wants the best."

1 Gallon, \$1.30 5 Gallons, \$6.35 10 Gallons, \$12.50
20 Gallons, \$24.50 1 Bbl. (50 gallons), \$60.00

Will be pleased to supply special quotations to jobbers

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Distributor

E. H. HUNT,

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CHICAGO.

NEWS NOTES.

Northampton, Mass.—H. W. Field, florist, has purchased the McGrath property on Button St.

Hollywood, Cal.—P. J. Stockman has formed a nursery and plant growing establishment here. Lathhouses are in process of construction, also cold frames and greenhouse.

Marysville, Cal.—The Marysville Flower & Seed Store has been discontinued. Mr. Evans has found the business unprofitable especially at this season of the year, but as he had a good business during the fall and winter months he may resume later in the year.

Webster City, Ia.—Extensive improvements and additions will be made in the Follett greenhouse. One house is now under construction and within a short time it is expected they will begin the erection of another. Other improvements will be made, the cost totalling several thousands of dollars.

Iowa Falls, Ia.—The buildings and equipment of the Riverside Greenhouses have been purchased by W. W. Hall. He will use the material in constructing a range of houses in the rear of his residence on College Ave. He expects to have the new place ready for business about August 1st.

Canon City, Colo.—D. E. Goodnight is arranging to cover an acre of ground with canvas in order to protect early vegetables. Celery grown under canvas is now being sold in the market by Hot Springs gardeners. Beans are nearly ready for market and tomatoes are as large as hens' eggs. Lettuce and spinach grow here during the winter.

Bloomington, Ill.—Saddler Bros., nurserymen, have been notified that J. A. Delaney formerly employed by them as a nursery salesman and who was accused of crooked work while in their employ and for whom a warrant had been issued sometime ago, has been arrested. After leaving the employ of Saddler Bros. Delaney started to work for Arthur Bryant & Sons, nurserymen at Princeton and while in their employ it is alleged that he forged orders

and obtained money illegally to the sum of \$198.

GREENHOUSES BUILDING OR CONTEMPLATED.

Dayton, Ind.—S. P. Lentz, one house.
Lexington, Ky.—Anderson & White, conservatory.

Webster City, Ia.—Follett greenhouses, house 30 x 60 feet.

Interlakin, Mass.—Mrs. John E. Parsons, one house, 28 x 73 feet.

Canon City, Colo.—J. T. Calvert, house to cost \$5,000.

Hollywood, Cal.—P. J. Stockman, one house.

Baltimore, Md.—Albert Fielder, house 16 x 100 feet.

Iowa Falls, Ia.—W. H. Hall, range of houses.

Philadelphia, Pa.—Ellenwood Greenhouses, one house.

Worcester, Mass.—Edward J. Steele, carnation house.

Monongahela, Pa.—J. Shelby Crall Co., house 40 x 100 feet. Lord & Burnham Co., semi-iron construction.

INCORPORATED.

Dallas, Tex.—Lang Floral & Nursery Co., capital stock \$46,000. Incorporators: Otto Lang, W. W. Robinson and A. B. Mayhew.

Salt Lake City, Utah.—Great Western Seed & Produce Co., capital stock \$3,000. Peter Frost, president; Alvin Johnson, vice-president; Avern R. Poulton, secretary and treasurer.

Charleston, W. Va.—The Hampshire & Middle Ridge Orchard Co. has made application for a charter. The company is to be capitalized at \$125,000. Incorporators: Edward G. Donley, J. M. Wood, A. Rightmire, H. S. Vanderfoot and James H. McGrew.

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Firmly

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PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Philadelphia.

FULL SIZE
No. 2

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.16
1500 2½ " " " 5.25	120 7 " " " 4.30
1500 2¾ " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3½ " " " 5.80	
500 4 " " " 4.50	
450 4½ " " " 5.24	
320 5 " " " 4.51	
210 5½ " " " 3.78	

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

DREER'S Diam. Each. Doz. 100.

Floral Specialties	in.	.65	7.25	55.00
B 12½	"	.75	8.25	65.00
C 13½	"	.85	9.35	75.00
D 14½	"	1.00	11.00	90.00
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F 16½	"	1.50	16.50	130.00

Three largest sizes have handles.
Special PAIL TUB
8 inches, .30 3.50 28.00
11 " .30 3.50 28.00
Painted Green
HENRY A. DREER
714 Chestnut Street
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Syracuse Red Pots

We have a large stock of well made and well burned pots on hand for the trade of 1910. Prompt shipments guaranteed. Our terms are as good as the best. Catalogue for 1910 on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

All The Clay for our Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.

THE PETERS & REED POTTERY CO., Zanesville, Ohio

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If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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MADE OF FIRE BOX FLANGE PLATE
Can not Crack

Water Space in Front, Sides and Back
The Most Popular Boiler Made

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Write to us about your
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for any size and style of

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for new structure or repairs.

Hot Bed Sash
in stock or any size required.
Pecky Cypress Benches
most lasting and least expensive.

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Investigate them, as other florists have done and personally know they are the best. They are made to last.

Let us send you circulars and prices of our line. We know that you will become an enthusiast.

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REPAIR TIME

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Any width of glass can be used.
Drip pan cares for condensation.
Roof water carried down posts.
Sash Bar Brackets of malleable iron,
prevents end rot of bar.
More good points than we have space
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explain all about them.

"ASK THE MAN WHO HAS ONE."

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LOWEST PRICES ON REQUEST

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Prices Are Climbing
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AMERICAN

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CYPRESS SASH BARS

32 feet or longer

HOT BED SASH

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Greenhouse Material and Sash Of Every Description

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Estimates cheerfully given. Write for our
Prices

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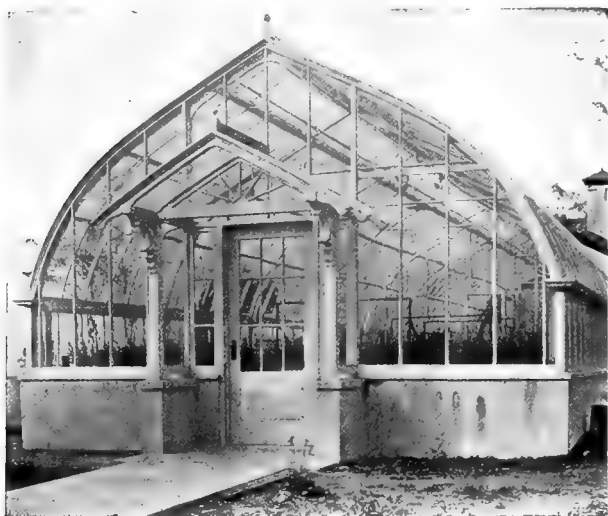
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Second Hand

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The combining of greenhouse and gardener's cottage in some such way as this, makes a handy arrangement for our gardener friends.

This house is 18 feet wide and 33 feet long, and has two compartments. It is small, but it's "a starter" and other compartments are easily enough added. Sometimes it is just as well to start small, and then make additions when required.

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